

FIELD MAINTENANCE PRINT SET

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RK611 PRINT SET TABLE OF CONTENTS

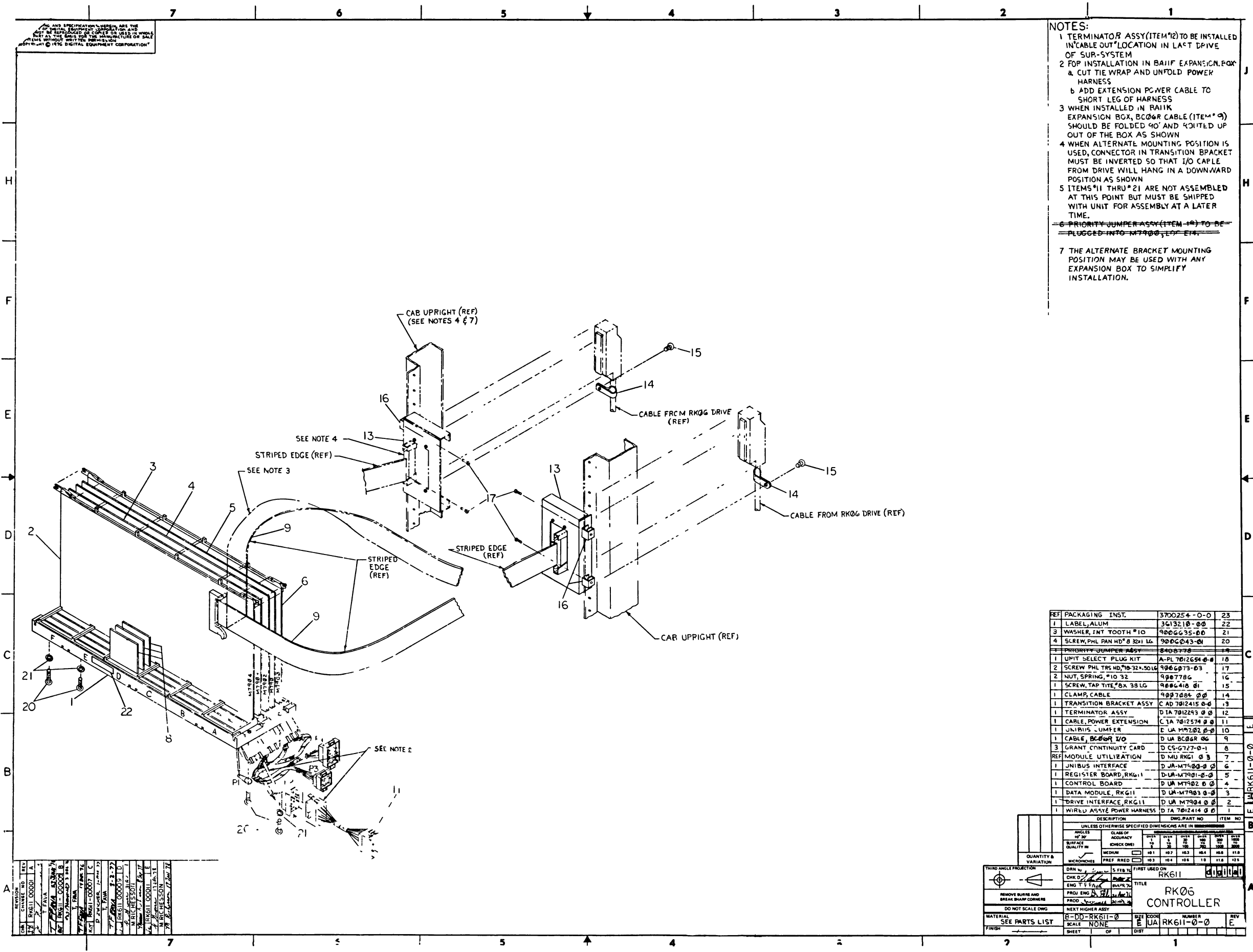
RK06 CONTROLLER
 TERMINATOR ASSY
 WIRED ASSY & POWER HARNESS
 WIRE LIST (COMPLETE)
 AWT REV STATUS
 MODULE UTILIZATION
 GRANT CONTINUITYCARD
 CABLE, POWER EXTENSION
 CIRCUIT SCHEMATIC (BACKPLANE)
 UNIBUS INTERFACE
 UNIBUS INTERFACE (PL)
 UNIBUS INTERFACE (CS)
 REGISTER BOARD
 REGISTER BOARD (PL)
 REGISTER BOARD (CS)
 CONTROL BOARD
 CONTROL BOARD (PL)
 CONTROL BOARD (CS)
 FLOW CHART
 DATA MODULE
 DATA MODULE (PL)
 DATA MODULE (CS)
 TIMING DIAGRAM
 DRIVE INTERFACE
 DRIVE INTERFACE (PL)
 DRIVE INTERFACE (CS)
 SHIPPING LIST
 RK611 CONTROLLER

RK611

PRINT SET ORDER NO.
MP00105

EN-01124-16-N675-(327)

BLANK

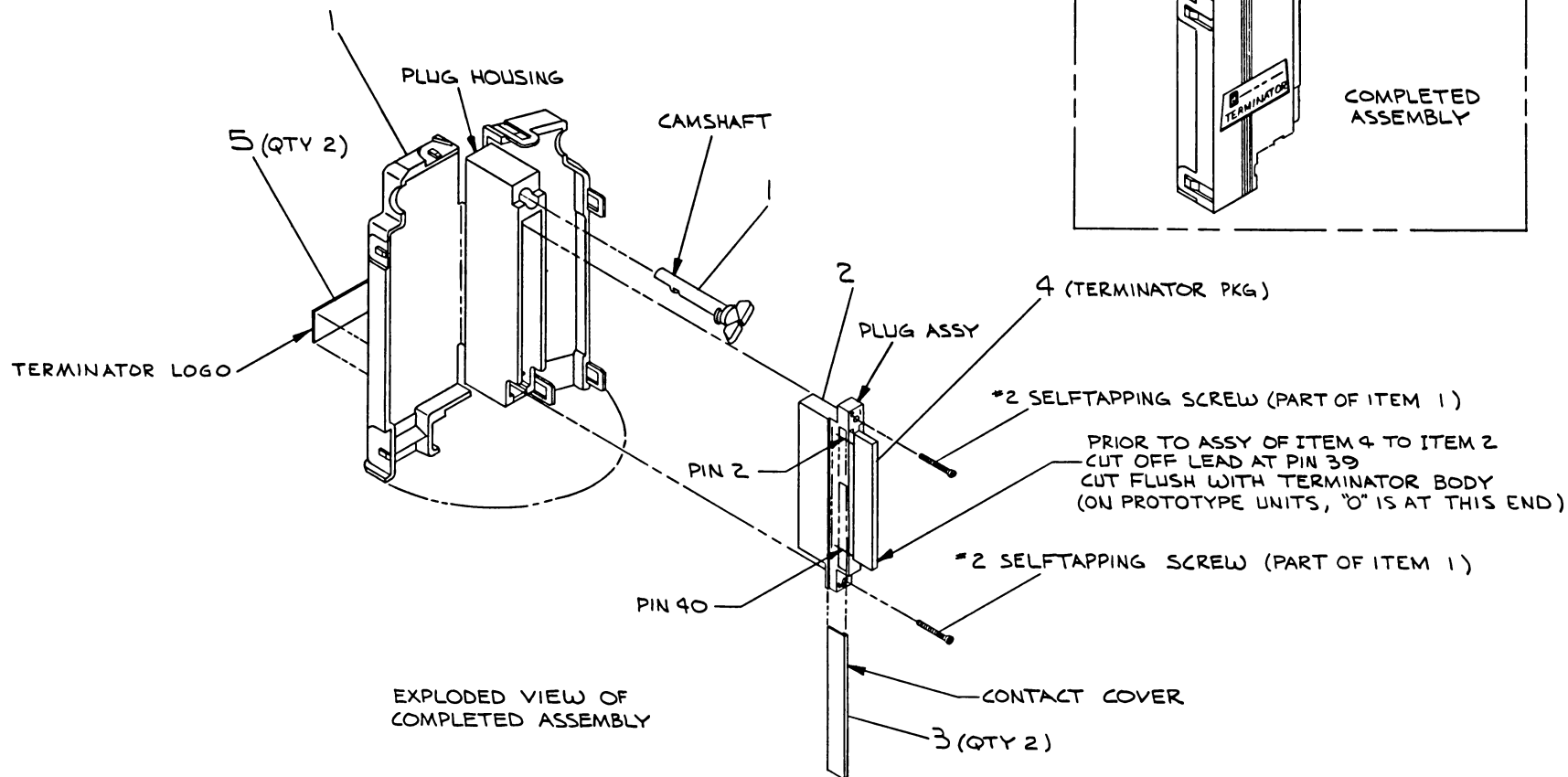


- NOTES:
- 1 TERMINATOR ASSY (ITEM 12) TO BE INSTALLED IN CABLE OUT LOCATION IN LAST DRIVE OF SUB-SYSTEM
 - 2 FOR INSTALLATION IN BULK EXPANSION BOX:
a. CUT TIE WRAP AND UNFOLD POWER HARNESS
b. ADD EXTENSION POWER CABLE TO SHORT LEG OF HARNESS
 - 3 WHEN INSTALLED IN BULK EXPANSION BOX, BULK CABLE (ITEM 6) SHOULD BE FOLDED 90° AND COILED UP OUT OF THE BOX AS SHOWN
 - 4 WHEN ALTERNATE MOUNTING POSITION IS USED, CONNECTOR IN TRANSITION BRACKET MUST BE INVERTED SO THAT I/O CABLE FROM DRIVE WILL HANG IN A DOWNWARD POSITION AS SHOWN
 - 5 ITEMS 11 THRU 21 ARE NOT ASSEMBLED AT THIS POINT BUT MUST BE SHIPPED WITH UNIT FOR ASSEMBLY AT A LATER TIME.
 - ~~6 PRIORITY JUMPER ASSY (ITEM 7) TO BE PLUGGED INTO MT900, ETC.~~
 - 7 THE ALTERNATE BRACKET MOUNTING POSITION MAY BE USED WITH ANY EXPANSION BOX TO SIMPLIFY INSTALLATION.

REF	PACKAGING INST.	3700254-0-0	23
1	LABEL, ALUM	3613210-00	22
2	WASHER, INT TOOTH #10	9006635-00	21
4	SCREW, PHL PAN HD #8 32x1 LG	9006643-00	20
PRIORITY JUMPER ASSY			
1	UNIT SELECT PLUG KIT	A-PL 7012654-00	18
2	SCREW, PHL TRS HD #10 32x50 LG	9006673-03	17
2	NUT, SPRING #10 32	9007786	16
1	SCREW, TAP TITE #8X 38 LG	9006418-01	15
1	CLAMP, CABLE	9007084-00	14
1	TRANSITION BRACKET ASSY	CAD 7012415-0-0	13
1	TERMINATOR ASSY	DIA 7012413-0-0	12
1	CABLE, POWER EXTENSION	CIA 7012574-0-0	11
1	J181B JUMPER	EUA M9202-0-0	10
1	CABLE, BULK I/O	DUA BC06R-06	9
3	GRANT CONTINUITY CARD	D C5-G727-0-1	8
REF	MODULE UTILIZATION	D MU RK01-0-3	7
1	J181B INTERFACE	DJA-MT500-0-0	6
1	REGISTER BOARD, RK611	DUA-MT901-0-0	5
1	CONTROL BOARD	DUA-MT902-0-0	4
1	DATA MODULE, RK611	DUA-MT903-0-0	3
1	DRIVE INTERFACE, RK611	DUA-MT904-0-0	2
1	WIRE HARNESS POWER	DIA 7012414-0-0	1

THIRD ANGLE PROJECTION		QUANTITY & VARIATION		CLASS OF ACCURACY		CHECK ONE		FIRST USED ON		REV	
REMOVE BURRS AND BREAK SHARP CORNERS		DO NOT SCALE DWG		NEXT HIGHER ASSY		MATERIAL SEE PARTS LIST		FINISH		SHEET	
DRN NO.		CHK'D		ENG T.F. FA		PROJ ENG		PROD		TITLE	
5 FEB 76		S. J. FA		S. J. FA		S. J. FA		S. J. FA		RK06 CONTROLLER	
E-00-RK611-0		SCALE NONE		SHEET		OF		DIST		NUMBER	
EUA RK611-0-0		REV		E		E		E		E	

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2	LOGO, TERMINATOR	A-DL-7416678-0-0	5
1	TERMINATOR PKG	1313242-00	4
2	COVER, CONTACT	1211591-11	3
1	PLUG ASSY	1211591-07	2
1	CONN PLUG HSG & CAMSHAFT KIT	1211591-34	1

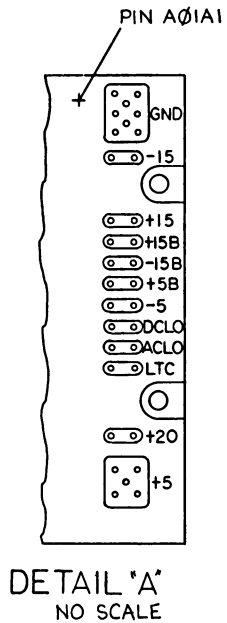
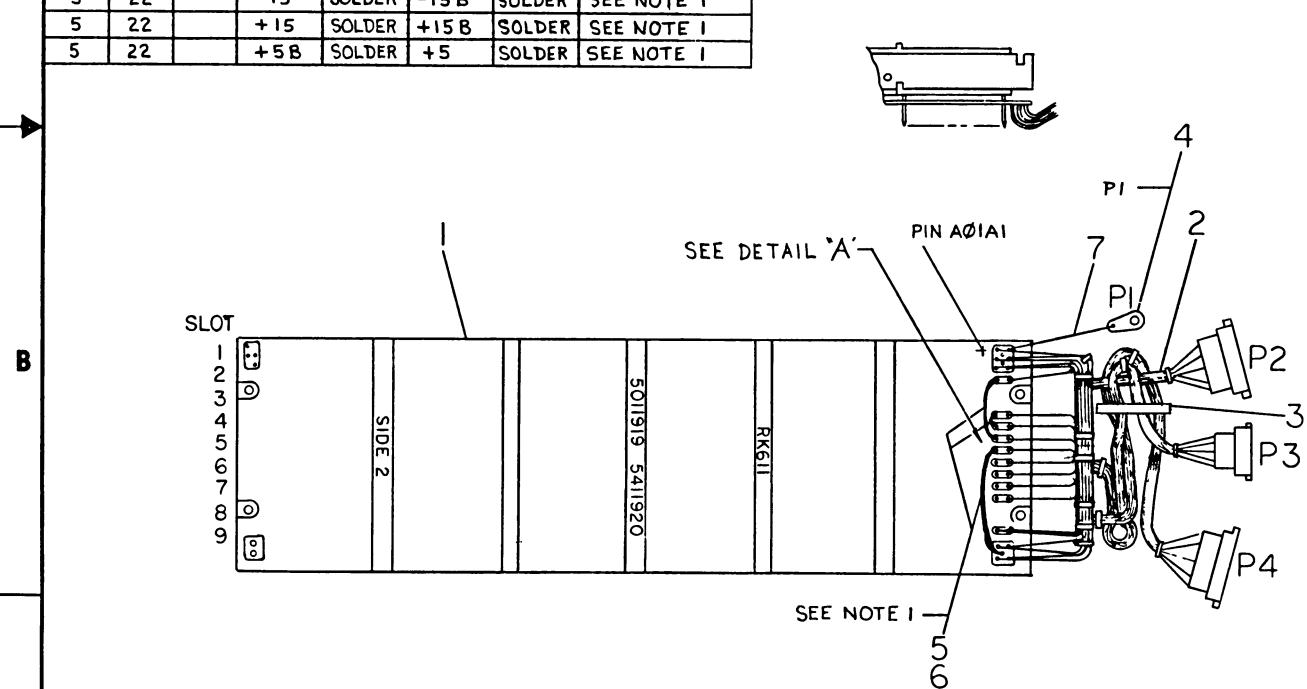
0-5632104	DESCRIPTION		DWG PART NO		ITEM NO				
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES								
	ANGLES 30° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES						
			OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0		
	SURFACE QUALITY IN	MICROINCHES	MEDIUM	±0.04	±0.08	±0.12	±0.16	±0.24	±0.4
			PREFERRED	±0.12	±0.16	±0.25	±0.4	±0.63	±1

THIRD ANGLE PROJECTION	DRN <i>[Signature]</i> 7 JAN 76	FIRST USED ON <i>RK06</i>	digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D <i>[Signature]</i> 26 JAN 76	TITLE TERMINATOR ASSY	
DO NOT SCALE DWG	PROJ ENG <i>[Signature]</i> 6/1/76	NEXT HIGHER ASSY.	
MATERIAL SCALE. NONE	FINISH <i>[Signature]</i>	EUA RK611-Φ-Φ	SIZE CODE D
SHEET 1 OF 1		NUMBER IA7012293-0-0	REV. A

REV	CHG	NO.	DATE	BY	APP
1	A	1	1/1/76	W. DUNHAM	
2	B	1	1/1/76	W. DUNHAM	

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WIRE TABLE							
ITEM NO	AWG	COLOR	FROM		TO		REMARKS
			POINT	WITH	POINT	WITH	
2	18	BLU	P4-13	ITEM 2	-15V	SOLDER	
▲	14	RED	P4-4	▲	+5V	▲	
	14	RED	P4-1		+5V		
	14	BLK	P4-8		GND		
	14	ORG	P4-3		+20V		
	14	ELK	P4-9		GND		
	18	WHT	P4-6		+15B		
	18	GRN	P4-15		-15B		
	18	YEL	P3-4		ACLO		
	14	BLK	P3-1		GND		
	18	BRN	P3-2		LTC		
	18	VIO	P3-3		DCLO		
	14	RED	P2-4		+5V		
	14	RED	P2-1		+5V		
	14	BRN	P2-14		-5V		
	14	BLK	P2-8		GND		
	18	GRY	P2-2		+15		
▼	14	ORG	P2-3	▼	+20	▼	
	14	BLK	P2-9		GND		
2	14	RED	P2-12	ITEM 2	+5B	SOLDER	
7	14	BLK	P1	ITEM 4	GND	SOLDER	SEE NOTE 2 & 4
5	22		-15	SOLDER	-15B	SOLDER	SEE NOTE 1
5	22		+15	SOLDER	+15B	SOLDER	SEE NOTE 1
5	22		+5B	SOLDER	+5	SOLDER	SEE NOTE 1

- NOTES:
1. WHEN THE RKG11 IS USED WITH ANY EXPANSION BOX WITHOUT BATTERY BACK UP, INSTALL THE THREE JUMPERS LISTED IN WIRE TABLE USE #22 BUS WIRE (ITEM 5) AND TUBING (ITEM 6) ON SIDE 2. THIS WILL PROVIDE POWER TO THE MOS MEMORY VOLTAGE RAILS IN SLOTS 2 & 3
 2. INSTALL ITEM 4 UNDER LOGIC FRAME MOUNTING SCREW TO TIE LOGIC GROUND TO CHASSIS GROUND.
 3. HARNESS BRANCHES WHICH LEAD TO CONNECTORS P3 & P4 ARE TO BE FOLDED AND SECURED WITH TIE WRAP (ITEM #3) SO AS TO BE APPROXIMATELY THE SAME LENGTH AS P2 BRANCH
 4. STRIP BACK 2" LONG #14 AWG BLACK WIRE TO .125 ± .030 ONE END, REMAINING END .250 ± .030, SOLDER TIN BOTH ENDS. SOLDER ITEM #4 TO THE .250 STRIPPED END.



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BLANK

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REVISIONS		
CHK	CHANGE NO.	REV.
<i>MMR</i>	RK611-00002	A
<i>TFE</i>	RK611-00003	B
<i>TFE</i>	RK611-00004	C
<i>TFE</i>	RK611-00007	D
<i>G.C.</i>	RK611-00008	E
<i>MR</i>	RK611-00009	F

DEC FORM NO
DRB 109

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE

WIRE LIST
(RK611)

SIZE	CODE	NUMBER	REV
K	WL	RK611-0-1	F

[illegible]

RK611.F RUN NAME	WRAPD .V15(102)-1		03-JUN-77		DRAW	RV	RG	Y	X	Z	REMARKS	18-AUG-77	15131		PAGE 1	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY = ORDER									NC	LENGTH	EXCEPTIONS	
+15B		A02P1		1-01 *	P					1			1			1
+15B		A03P1		1-02 *	P											1
+15B				1									1-0/8			1
+15V		A04D2		1-01 *	P					1			3-2/8			2
+15V		B04D2		1-02 *	P					2			3			2
+15V		C04D2		1-03 *	P					2			3			2
+15V		C01U1		1-04 *	P					2			1			2
+15V		C02U1		1-05 *	P					2			1			2
+15V		C03U1		1-06 *	P					2			1-7/8			2
+15V		D04D2		1-07 *	P					2			3			2
+15V		E04D2		1-08 *	P					2			3-2/8			2
+15V		F04D2		1-09 *	P											2
+15V				1									19-3/8			2
+20V		A02U1		1-01 *	P					1			0-1/8			3
+20V		A02V1		1-02 *	P					2			0-4/8			3
+20V		A02V2		1-03 *	P					2			0-1/8			3
+20V		A03U1		1-04 *	P					2			0-1/8			3
+20V		A03V1		1-05 *	P					2			0-4/8			3
+20V		A03V2		1-06 *	P											3
+20V				1									1-3/8			3
+5B		B02D1		1-01 *	P					1			1			4
+5B		B03D1		1-02 *	P											4
+5B				1									1-0/8			4
+5V		A01A2		1-01 *	P					1			1			5
+5V		A02A2		1-02 *	P					2			1			5
+5V		A03A2		1-03 *	P					2			1			5
+5V		A04A2		1-04 *	P					2			1			5
+5V		A05A2		1-05 *	P					2			1			5
+5V		A06A2		1-06 *	P					2			1			5
+5V		A07A2		1-07 *	P					2			1			5
+5V		A08A2		1-08 *	P					2			1			5
+5V		A09A2		1-09 *	P					2			3-2/8			5
+5V		B09A2		1-10 *	P					2			1			5
+5V		B10A2		1-11 *	P					2			1			5
+5V		B07A2		1-12 *	P					2			1			5
+5V		B06A2		1-13 *	P					2			1			5
+5V		B05A2		1-14 *	P					2			1			5
+5V		B04A2		1-15 *	P					2			1			5
+5V		B03A2		1-16 *	P					2			1			5
+5V		B02A2		1-17 *	P					2			1			5
+5V		B01A2		1-18 *	P					2			3			5
+5V		C01A2		1-19 *	P					2			1			5
+5V		C02A2		1-20 *	P					2			1			5
+5V		C03A2		1-21 *	P					2			1			5
+5V		C04A2		1-22 *	P					2			1			5
+5V		C05A2		1-23 *	P					2			1			5
+5V		C06A2		1-24 *	P					2			1			5
+5V		C07A2		1-25 *	P					2			1			5
+5V		C08A2		1-26 *	P					2			1			5
+5V		C09A2		1-27 *	P					2			3-2/8			5
+5V		D09A2		1-28 *	P					2			1			5
+5V		D08A2		1-29 *	P					2			1			5

RK611.F RUN NAME	WRAPD .V35(102)=1 A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	10-Aug-77	15:31 NC LENGTH FLAG	PAGE 2 EXCEPTIONS	RUN NUMBER
+5V	D07A2		1-30 *	P				2			1		5
+5V	D06A2		1-31 *	P				2			1		5
+5V	D05A2		1-32 *	P				2			1		5
+5V	D04A2		1-33 *	P				2			1		5
+5V	D03A2		1-34 *	P				2			1		5
+5V	D02A2		1-35 *	P				2			1		5
+5V	D01A2		1-36 *	P				2			3		5
+5V	E01A2		1-37 *	P				2			1		5
+5V	E02A2		1-38 *	P				2			1		5
+5V	E03A2		1-39 *	P				2			1		5
+5V	E04A2		1-40 *	P				2			1		5
+5V	E05A2		1-41 *	P				2			1		5
+5V	E06A2		1-42 *	P				2			1		5
+5V	E07A2		1-43 *	P				2			1		5
+5V	E08A2		1-44 *	P				2			1		5
+5V	E09A2		1-45 *	P				2			3-2/8		5
+5V	F09A2		1-46 *	P				2			1		5
+5V	F08A2		1-47 *	P				2			1		5
+5V	F07A2		1-48 *	P				2			1		5
+5V	F06A2		1-49 *	P				2			1		5
+5V	F05A2		1-50 *	P				2			1		5
+5V	F04A2		1-51 *	P				2			1		5
+5V	F03A2		1-52 *	P				2			1		5
+5V	F02A2		1-53 *	P				2			1		5
+5V	F01A2		1-54 *	P									5
			1								63-6/8		5
-15B	A02S1		1-01 *	P				1			1		6
-15B	A03S1		1-02 *	P									6
-15B			1								1-0/8		6
-15V	A05B2		1-01 *	P				1			1		7
-15V	A04B2		1-02 *	P				2			3-2/8		7
-15V	A04B2		1-03 *	P				2			1		7
-15V	A05B2		1-04 *	P				2			3		7
-15V	C05B2		1-05 *	P				2			1		7
-15V	C04B2		1-06 *	P				2			1		7
-15V	C03B2		1-07 *	P				2			1		7
-15V	C02B2		1-08 *	P				2			1		7
-15V	C01B2		1-09 *	P				2			3-2/8		7
-15V	D01B2		1-10 *	P				2			1		7
-15V	D02B2		1-11 *	P				2			1		7
-15V	D03B2		1-12 *	P				2			1		7
-15V	D04B2		1-13 *	P				2			1		7
-15V	D05B2		1-14 *	P				2			3		7
-15V	E05B2		1-15 *	P				2			1		7
-15V	E04B2		1-16 *	P				2			1		7
-15V	E03B2		1-17 *	P				2			1		7
-15V	E02B2		1-18 *	P				2			1		7
-15V	E01B2		1-19 *	P				2			3-2/8		7
-15V	F01B2		1-20 *	P				2			1		7
-15V	F02B2		1-21 *	P				2			1		7
-15V	F03B2		1-22 *	P				2			1		7
-15V	F04B2		1-23 *	P				2			1		7
-15V	F05B2		1-24 *	P									7
			1								33-6/8		7

RK611.F RUN NAME	WRAPD .V35(102)=1 A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	10-Aug-77	15:31 NC LENGTH FLAG	PAGE 3 EXCEPTIONS	RUN NUMBER
-5V	B02V2		1-01 *	P				1			1		8
-5V	B03V2		1-02 *	P									8
-5V			1								1-0/8		8
BUS A00 L	B01H2		1-01 *	P				1			1		9
BUS A00 L	B02H2		1-02 *	P				2			1		9
BUS A00 L	B03H2		1-03 *	H				2			9-1/8		9
BUS A00 L	E01H2		1-04 *	P				2			1		9
BUS A00 L	E02H2		1-05 *	P				2			1		9
BUS A00 L	E03H2		1-06 *	H				2			11-1/8		9
BUS A00 L	B09H2		1-07 *	P									9
BUS A00 L			1								24-2/8		9
BUS A01 L	B01H1		1-01 *	P				1			1		10
BUS A01 L	B02H1		1-02 *	P				2			1		10
BUS A01 L	B03H1		1-03 *	H				2			9-1/8		10
BUS A01 L	E01H1		1-04 *	P				2			1		10
BUS A01 L	E02H1		1-05 *	P				2			1		10
BUS A01 L	E03H1		1-06 *	H				2			10-5/8		10
BUS A01 L	B08H1		1-07 *	P				2			1		10
BUS A01 L	B09H1		1-08 *										10
BUS A01 L			1								24-6/8		10
BUS A02 L	B01J2		1-01 *	P				1			1		11
BUS A02 L	B02J2		1-02 *	P				2			1		11
BUS A02 L	B03J2		1-03 *	H				2			9-1/8		11
BUS A02 L	E01F1		1-04 *	P				2			1		11
BUS A02 L	E02F1		1-05 *	P				2			1		11
BUS A02 L	E03F1		1-06 *	H				2			10-5/8		11
BUS A02 L	B08J2		1-07 *	P				2			1		11
BUS A02 L	B09J2		1-08 *										11
BUS A02 L			1								24-6/8		11
BUS A03 L	B01J1		1-01 *	P				1			1		12
BUS A03 L	B02J1		1-02 *	P				2			1		12
BUS A03 L	B03J1		1-03 *	H				2			10-1/8		12
BUS A03 L	E01V2		1-04 *	P				2			1		12
BUS A03 L	E02V2		1-05 *	P				2			1		12
BUS A03 L	E03V2		1-06 *	H				2			11-5/8		12
BUS A03 L	B08J1		1-07 *	P				2			1		12
BUS A03 L	B09J1		1-08 *										12
BUS A03 L			1								26-6/8		12
BUS A04 L	B01K2		1-01 *	P				1			1		13
BUS A04 L	E02K2		1-02 *	P				2			1		13
BUS A04 L	B03K2		1-03 *	H				2			10-1/8		13
BUS A04 L	E01U2		1-04 *	P				2			1		13
BUS A04 L	E02U2		1-05 *	P				2			1		13
BUS A04 L	E03U2		1-06 *	H				2			11-5/8		13
BUS A04 L	B08K2		1-07 *	P				2			1		13
BUS A04 L	B09K2		1-08 *										13
BUS A04 L			1								26-6/8		13

RK611.F		WPAPD .V35(102)-1		03-JUN-77		18-AUG-77		15:31		PAGE 4		RUN				
RUN NAME		A/P	PIN NAME	ORDFR PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH EXCEPTIONS	NUMBER
BUS	A05 L		B01K1		1-01 *	P						1				14
BUS	A05 L		B02K1		1-02 *	P						2		1		14
BUS	A05 L		B03K1		1-03 *	H						2		10-1/8		14
BUS	A05 L		E01V1		1-04 *	P						2		1		14
BUS	A05 L		E02V1		1-05 *	P						2		1		14
BUS	A05 L		E03V1		1-06 *	H						2		11-5/8		14
BUS	A05 L		B08K1		1-07 *	P						2		1		14
BUS	A05 L		B09K1		1-08 *											14
BUS	A05 L				1									26-6/8		14
BUS	A06 L		B01L2		1-01 *	P						1		1		15
BUS	A06 L		B02L2		1-02 *	P						2		1		15
BUS	A06 L		B03L2		1-03 *	H						2		10-3/8		15
BUS	A06 L		E01U1		1-04 *	P						2		1		15
BUS	A06 L		E02U1		1-05 *	P						2		1		15
BUS	A06 L		E03U1		1-06 *	H						2		11-7/8		15
BUS	A06 L		B08L2		1-07 *	P						2		1		15
BUS	A06 L		B09L2		1-08 *											15
BUS	A06 L				1									27-2/8		15
BUS	A07 L		B01L1		1-01 *	P						1		1		16
BUS	A07 L		B02L1		1-02 *	P						2		1		16
BUS	A07 L		B03L1		1-03 *	H						2		9-3/8		16
BUS	A07 L		E01P2		1-04 *	P						2		1		16
BUS	A07 L		E02P2		1-05 *	P						2		1		16
BUS	A07 L		E03P2		1-06 *	H						2		10-7/8		16
BUS	A07 L		B08L1		1-07 *	P						2		1		16
BUS	A07 L		B09L1		1-08 *											16
BUS	A07 L				1									25-2/8		16
BUS	A08 L		B01M2		1-01 *	P						1		1		17
BUS	A08 L		B02M2		1-02 *	P						2		1		17
BUS	A08 L		B03M2		1-03 *	H						2		9-1/8		17
BUS	A08 L		E01M2		1-04 *	P						2		1		17
BUS	A08 L		E02M2		1-05 *	P						2		1		17
BUS	A08 L		E03M2		1-06 *	H						2		10-5/8		17
BUS	A08 L		B08M2		1-07 *	P						2		1		17
BUS	A08 L		B09M2		1-08 *											17
BUS	A08 L				1									24-6/8		17
BUS	A09 L		B01M1		1-01 *	P						1		1		18
BUS	A09 L		B02M1		1-02 *	P						2		1		18
BUS	A09 L		B03M1		1-03 *	H						2		9-3/8		18
BUS	A09 L		E01R1		1-04 *	P						2		1		18
BUS	A09 L		E02P1		1-05 *	P						2		1		18
BUS	A09 L		E03P1		1-06 *	H						2		10-7/8		18
BUS	A09 L		B08M1		1-07 *	P						2		1		18
BUS	A09 L		B09M1		1-08 *											18
BUS	A09 L				1									25-2/8		18

RK611.F		WRAPD .V35(102)-1		03-JUN-77		18-AUG-77		15:31		PAGE 5		RUN					
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS	RUN NUMBER
BUS A10 L			B01N2		1-01 *	P						1			1		19
BUS A10 L			B02N2		1-02 *	P						2			1		19
BUS A10 L			B03N2		1-03 *	H						2			9-5/8		19
BUS A10 L			E01P1		1-04 *	P						2			1		19
BUS A10 L			E02P1		1-05 *	P						2			1		19
BUS A10 L			E03P1		1-06 *	H						2			11-1/8		19
BUS A10 L			B08N2		1-07 *	P						2			1		19
BUS A10 L			B09N2		1-08 *												19
BUS A10 L					1										25-6/8		19
BUS A11 L			B01N1		1-01 *	P						1			1		20
BUS A11 L			B02N1		1-02 *	P						2			1		20
BUS A11 L			B03N1		1-03 *	H						2			8-7/8		20
BUS A11 L			E01L1		1-04 *	P						2			1		20
BUS A11 L			E02L1		1-05 *	P						2			1		20
BUS A11 L			E03L1		1-06 *	H						2			10-3/8		20
BUS A11 L			B08N1		1-07 *	P						2			1		20
BUS A11 L			B09N1		1-08 *												20
BUS A11 L					1										24-2/8		20
BUS A12 L			B01P2		1-01 *	P						1			1		21
BUS A12 L			B02P2		1-02 *	P						2			1		21
BUS A12 L			B03P2		1-03 *	H						2			8-1/8		21
BUS A12 L			E01C1		1-04 *	P						2			1		21
BUS A12 L			E02C1		1-05 *	P						2			1		21
BUS A12 L			E03C1		1-06 *	H						2			9-5/8		21
BUS A12 L			B08P2		1-07 *	P						2			1		21
BUS A12 L			B09P2		1-08 *												21
BUS A12 L					1										22-6/8		21
BUS A13 L			B01P1		1-01 *	P						1			1		22
BUS A13 L			B02P1		1-02 *	P						2			1		22
BUS A13 L			B03P1		1-03 *	H						2			8-3/8		22
BUS A13 L			E01K2		1-04 *	P						2			1		22
BUS A13 L			E02K2		1-05 *	P						2			1		22
BUS A13 L			E03K2		1-06 *	H						2			9-7/8		22
BUS A13 L			B08P1		1-07 *	P						2			1		22
BUS A13 L			B09P1		1-08 *												22
BUS A13 L					1										23-2/8		22
BUS A14 L			B01R2		1-01 *	P						1			1		23
BUS A14 L			B02R2		1-02 *	P						2			1		23
BUS A14 L			B03R2		1-03 *	H						2			8-7/8		23
BUS A14 L			E01K1		1-04 *	P						2			1		23
BUS A14 L			E02K1		1-05 *	P						2			1		23
BUS A14 L			E03K1		1-06 *	H						2			10-3/8		23
BUS A14 L			B08R2		1-07 *	P						2			1		23
BUS A14 L			B09R2		1-08 *												23
BUS A14 L					1										24-2/8		23

RK611.F		WRAPP ,V35(102)=1 03-JUN-77										18-Aug-77		15131	PAGE 6	RUN NUMBER
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	PG	Y	X	Z	REMARKS	NC FLAG	LENGTH EXCEPTIONS	
BUS A15 I			B01R1		1-01 *	P						1		1		24
BUS A15 L			B02R1		1-02 *	P						2		1		24
BUS A15 L			B03R1		1-03 *	H						2		7-5/8		24
BUS A15 L			E01D2		1-04 *	P						2		1		24
BUS A15 L			E02D2		1-05 *	P						2		1		24
BUS A15 L			E03D2		1-06 *	H						2		9-1/8		24
BUS A15 L			B08R1		1-07 *	P						2		1		24
BUS A15 L			B09R1		1-08 *											24
BUS A15 L					1									21-6/8		24
BUS A16 L			B01S2		1-01 *	P						1		1		25
BUS A16 L			B02S2		1-02 *	P						2		1		25
BUS A16 L			B03S2		1-03 *	H						2		7-7/8		25
BUS A16 L			E01E2		1-04 *	P						2		1		25
BUS A16 L			E02E2		1-05 *	P						2		1		25
BUS A16 L			E03E2		1-06 *	H						2		9-3/8		25
BUS A16 L			B08S2		1-07 *	P						2		1		25
BUS A16 L			B09S2		1-08 *											25
BUS A16 L					1									22-2/8		25
BUS A17 L			B01S1		1-01 *	P						1		1		26
BUS A17 L			B02S1		1-02 *	P						2		1		26
BUS A17 L			B03S1		1-03 *	H						2		7-5/8		26
BUS A17 L			E01D1		1-04 *	P						2		1		26
BUS A17 L			E02D1		1-05 *	P						2		1		26
BUS A17 L			E03D1		1-06 *	H						2		9-1/8		26
BUS A17 L			B08S1		1-07 *	P						2		1		26
BUS A17 L			B09S1		1-08 *											26
BUS A17 L					1									21-6/8		26
BUS AC LO L			B01F1		1-01 *	P						1		1		27
BUS AC LO L			B02F1		1-02 *	P						2		1		27
BUS AC LO L			B03F1		1-03 *							1		5-3/8		27
BUS AC LO L			C01V1		1-04 *	P						2		1		27
BUS AC LO L			C02V1		1-05 *	P						2		1		27
BUS AC LO L			C03V1		1-06 *							1		6-7/8		27
BUS AC LO L			H08F1		1-07 *	P						2		1		27
BUS AC LO L			H09F1		1-08 *											27
BUS AC LO L					1									17-2/8		27
BUS BRSY L			A01P2		1-01 *	P						1		1		28
BUS BRSY L			A02P2		1-02 *	P						2		1		28
BUS BRSY L			A03P2		1-03 *	H						2		13-5/8		28
BUS BRSY L			F01D1		1-04 *	P						2		1		28
BUS BRSY L			F02D1		1-05 *	P						2		1		28
BUS BRSY L			F03D1		1-06 *	H						2		15-1/8		28
BUS BRSY L			A08P2		1-07 *	P						2		1		28
BUS BRSY L			A09P2		1-08 *											28
BUS BRSY L					1									33-6/8		28
BUS RG4 1 IN H			B01E2		1-01 *	H						1		7		29
BUS RG4 1 IN H			D01S2		1-02 *											29
BUS RG4 1 IN H					1									7-0/8		29

RK611.F		WRAPP ,V35(102)=1 03-JUN-77										18-Aug-77		15131	PAGE 7	RUN NUMBER
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH EXCEPTIONS	
BUS BG4 2 IN H			D01T2		1-01 *	P						1		0-5/8		30
BUS BG4 2 IN H			D02S2		1-02 *											30
BUS BG4 2 IN H					1									0-5/8		30
BUS RG4 3 IN H			D02T2		1-01 *	P						1		0-5/8		31
BUS BG4 3 IN H			D03S2		1-02 *											31
BUS BG4 3 IN H					1									0-5/8		31
BUS BG4 4 IN H			D03T2		1-01 *	H						1		6-7/8		32
BUS BG4 4 IN H			C08F2		1-02 *											32
BUS BG4 4 IN H					1									6-7/8		32
BUS BG4 OUT H			B09E2		1-01 *	P						1		1		33
BUS BG4 OUT H			B08E2		1-02 *											33
BUS BG4 OUT H					1									1-0/8		33
BUS BG5 1 IN H			B01B1		1-01 *	H						1		7-1/8		34
BUS BG5 1 IN H			D01P2		1-02 *											34
BUS BG5 1 IN H					1									7-1/8		34
BUS BG5 2 IN H			D01R2		1-01 *	P						1		0-5/8		35
BUS BG5 2 IN H			D02P2		1-02 *											35
BUS BG5 2 IN H					1									0-5/8		35
BUS BG5 3 IN H			D02R2		1-01 *	P						1		0-5/8		36
BUS BG5 3 IN H			D03P2		1-02 *											36
BUS BG5 3 IN H					1									0-5/8		36
BUS BG5 4 IN H			D03R2		1-01 *	H						1		6-5/8		37
BUS BG5 4 IN H			C08D1		1-02 *											37
BUS BG5 4 IN H					1									6-5/8		37
BUS BG5 OUT H			B09B1		1-01 *	P						1		1		38
BUS BG5 OUT H			B08B1		1-02 *											38
BUS BG5 OUT H					1									1-0/8		38
BUS BG6 1 IN H			B01A1		1-01 *	H						1		7-1/8		39
BUS BG6 1 IN H			D01M2		1-02 *											39
BUS BG6 1 IN H					1									7-1/8		39
BUS BG6 2 IN H			D01N2		1-01 *	P						1		0-5/8		40
BUS BG6 2 IN H			D02M2		1-02 *											40
BUS BG6 2 IN H					1									0-5/8		40
BUS BG6 3 IN H			D02N2		1-01 *	P						1		0-5/8		41
BUS BG6 3 IN H			D03M2		1-02 *											41
BUS BG6 3 IN H					1									0-5/8		41
BUS BG6 4 IN H			D03N2		1-01 *	H						1		3-6/8		42
BUS BG6 4 IN H			E08K2		1-02 *											42
BUS BG6 4 IN H					1									3-6/8		42
BUS RG6 OUT H			B09A1		1-01 *	P						1		1		43
BUS RG6 OUT H			B08A1		1-02 *											43
BUS RG6 OUT H					1									1-0/8		43

RK611.F		WRAPD .V35(102)=1 03-JUN-77										18-AUG-77		15:31	PAGE 10		RUN NUMBER
RUN NAME		A/P	PIN NAME	ORDER PIN	PAY - ORDER	O	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS	
BUS D02 L			A01D1		1-01 *	P						1		1			57
BUS D02 L			A02D1		1-02 *	P						2		1			57
BUS D02 L			A03D1		1-03 *	H						2		1	8-1/8		57
BUS D02 L			C01U2		1-04 *	P						2		1			57
BUS D02 L			C02U2		1-05 *	P						2		1			57
BUS D02 L			C03U2		1-06 *	H						2		1	7-7/8		57
BUS D02 L			F01E2		1-07 *	P						2		1			57
BUS D02 L			F02E2		1-08 *	P						2		1			57
BUS D02 L			F03E2		1-09 *	H						2		1	16-1/8		57
BUS D02 L			A08D1		1-10 *	P						2		1			57
BUS D02 L			A09D1		1-11 *												57
BUS D02 L					1										39-1/8		57
BUS D03 L			A01E2		1-01 *	P						1		1			58
BUS D03 L			A02F2		1-02 *	P						2		1			58
BUS D03 L			A03E2		1-03 *	H						2		1	7-7/8		58
BUS D03 L			C01T2		1-04 *	P						2		1			58
BUS D03 L			C02T2		1-05 *	P						2		1			58
BUS D03 L			C03T2		1-06 *	H						2		1	8-7/8		58
BUS D03 L			F01I1		1-07 *	P						2		1			58
BUS D03 L			F02I1		1-08 *	P						2		1			58
BUS D03 L			F03L1		1-09 *	H						2		1	16-7/8		58
BUS D03 L			A08E2		1-10 *	P						2		1			58
BUS D03 L			A09F2		1-11 *												58
BUS D03 L					1										40-5/8		58
BUS D04 L			A01E1		1-01 *	P						1		1			59
BUS D04 L			A02F1		1-02 *	P						2		1			59
BUS D04 L			A03E1		1-03 *	H						2		1	7-1/8		59
BUS D04 L			C01N2		1-04 *	P						2		1			59
BUS D04 L			C02N2		1-05 *	P						2		1			59
BUS D04 L			C03N2		1-06 *	H						2		1	9-3/8		59
BUS D04 L			F01N2		1-07 *	P						2		1			59
BUS D04 L			F02N2		1-08 *	P						2		1			59
BUS D04 L			F03N2		1-09 *	H						2		1	16-5/8		59
BUS D04 L			A08F1		1-10 *	P						2		1			59
BUS D04 L			A09E1		1-11 *												59
BUS D04 L					1										40-1/8		59
BUS D05 L			A01F2		1-01 *	P						1		1			60
BUS D05 L			A02F2		1-02 *	P						2		1			60
BUS D05 L			A03F2		1-03 *	H						2		1	7-5/8		60
BUS D05 L			C01P2		1-04 *	P						2		1			60
BUS D05 L			C02P2		1-05 *	P						2		1			60
BUS D05 L			C03P2		1-06 *	H						2		1	8-5/8		60
BUS D05 L			F01F1		1-07 *	P						2		1			60
BUS D05 L			F02F1		1-08 *	P						2		1			60
BUS D05 L			F03F1		1-09 *	H						2		1	16-3/8		60
BUS D05 L			A08F2		1-10 *	P						2		1			60
BUS D05 L			A09F2		1-11 *												60
BUS D05 L					1										39-5/8		60

RK611.F		WRAPD .V35(102)=1 03-JUN-77										18-AUG-77		15:31	PAGE 11		RUN NUMBER
RUN NAME		A/P	PIN NAME	ORDER PIN	PAY - ORDER	O	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS	
BUS D06 L			A01F1		1-01 *	P						1		1			61
BUS D06 L			A02F1		1-02 *	P						2		1			61
BUS D06 L			A03F1		1-03 *	H						2		1	7-7/8		61
BUS D06 L			C01V2		1-04 *	P						2		1			61
BUS D06 L			C02V2		1-05 *	P						2		1			61
BUS D06 L			C03V2		1-06 *	H						2		1	7-7/8		61
BUS D06 L			F01F2		1-07 *	P						2		1			61
BUS D06 L			F02F2		1-08 *	P						2		1			61
BUS D06 L			F03F2		1-09 *	H						2		1	15-7/8		61
BUS D06 L			A08F1		1-10 *	P						2		1			61
BUS D06 L			A09F1		1-11 *												61
BUS D06 L					1										38-5/8		61
BUS D07 L			A01H2		1-01 *	P						1		1			62
BUS D07 L			A02H2		1-02 *	P						2		1			62
BUS D07 L			A03H2		1-03 *	H						2		1	7-1/8		62
BUS D07 L			C01M2		1-04 *	P						2		1			62
BUS D07 L			C02M2		1-05 *	P						2		1			62
BUS D07 L			C03M2		1-06 *	H						2		1	9-1/8		62
BUS D07 L			F01H1		1-07 *	P						2		1			62
BUS D07 L			F02H1		1-08 *	P						2		1			62
BUS D07 L			F03H1		1-09 *	H						2		1	16-3/8		62
BUS D07 L			A08H2		1-10 *	P						2		1			62
BUS D07 L			A09H2		1-11 *												62
BUS D07 L					1										39-5/8		62
BUS D08 L			A01H1		1-01 *	P						1		1			63
BUS D08 L			A02H1		1-02 *	P						2		1			63
BUS D08 L			A03H1		1-03 *	H						2		1	6-5/8		63
BUS D08 L			C01L2		1-04 *	P						2		1			63
BUS D08 L			C02L2		1-05 *	P						2		1			63
BUS D08 L			C03L2		1-06 *	H						2		1	9-5/8		63
BUS D08 L			F01K1		1-07 *	P						2		1			63
BUS D08 L			F02K1		1-08 *	P						2		1			63
BUS D08 L			F03K1		1-09 *	H						2		1	16-3/8		63
BUS D08 L			A08H1		1-10 *	P						2		1			63
BUS D08 L			A09H1		1-11 *												63
BUS D08 L					1										39-5/8		63
BUS D09 L			A01J2		1-01 *	P						1		1			64
BUS D09 L			A02J2		1-02 *	P						2		1			64
BUS D09 L			A03J2		1-03 *	H						2		1	6-7/8		64
BUS D09 L			C01K2		1-04 *	P						2		1			64
BUS D09 L			C02K2		1-05 *	P						2		1			64
BUS D09 L			C03K2		1-06 *	H						2		1	8-3/8		64
BUS D09 L			A08J2		1-07 *	P						2		1			64
BUS D09 L			A09J2		1-08 *												64
BUS D09 L					1										20-2/8		64

RK611,F RUN NAME	WRAPD .V35(102)-1		03-JUN-77		DRAW	RV	RG	Y	X	Z	REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 12 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	RAY - ORDER											
BUS D10 L		A01J1		1-01 * P						1			1		65
BUS D10 L		A02J1		1-02 * P						2			1		65
BUS D10 L		A03J1		1-03 * H						2			6-3/8		65
BUS D10 L		C01J2		1-04 * P						2			1		65
BUS D10 L		C02J2		1-05 * P						2			1		65
BUS D10 L		C03J2		1-06 * H						2			7-7/8		65
BUS D10 L		A08J1		1-07 * P						2			1		65
BUS D10 L		A09J1		1-08 *											65
BUS D10 L				1									19-2/8		65
BUS D11 L		A01K2		1-01 * P						1			1		66
BUS D11 L		A02K2		1-02 * P						2			1		66
BUS D11 L		A03K2		1-03 * H						2			6-5/8		66
BUS D11 L		C01H1		1-04 * P						2			1		66
BUS D11 L		C02H1		1-05 * P						2			1		66
BUS D11 L		C03H1		1-06 * H						2			8-1/8		66
BUS D11 L		A08K2		1-07 * P						2			1		66
BUS D11 L		A09K2		1-08 *											66
BUS D11 L				1									19-6/8		66
BUS D12 L		A01K1		1-01 * P						1			1		67
BUS D12 L		A02K1		1-02 * P						2			1		67
BUS D12 L		A03K1		1-03 * H						2			6-1/8		67
BUS D12 L		C01H2		1-04 * P						2			1		67
BUS D12 L		C02H2		1-05 * P						2			1		67
BUS D12 L		C03H2		1-06 * H						2			7-5/8		67
BUS D12 L		A08K1		1-07 * P						2			1		67
BUS D12 L		A09K1		1-08 *											67
BUS D12 L				1									18-6/8		67
BUS D13 L		A01L2		1-01 * P						1			1		68
BUS D13 L		A02L2		1-02 * P						2			1		68
BUS D13 L		A03L2		1-03 * H						2			6-1/8		68
BUS D13 L		C01F2		1-04 * P						2			1		68
BUS D13 L		C02F2		1-05 * P						2			1		68
BUS D13 L		C03F2		1-06 * H						2			7-5/8		68
BUS D13 L		A08L2		1-07 * P						2			1		68
BUS D13 L		A09L2		1-08 *											68
BUS D13 L				1									18-6/8		68
BUS D14 L		A01L1		1-01 * P						1			1		69
BUS D14 L		A02L1		1-02 * P						2			1		69
BUS D14 L		A03L1		1-03 * H						2			5-7/8		69
BUS D14 L		C01E2		1-04 * P						2			1		69
BUS D14 L		C02E2		1-05 * P						2			1		69
BUS D14 L		C03E2		1-06 * H						2			7-3/8		69
BUS D14 L		A08L1		1-07 * P						2			1		69
BUS D14 L		A09L1		1-08 *											69
BUS D14 L				1									18-2/8		69

RK611,F RUN NAME	WRAPD .V35(102)-1		03-JUN-77		DRAW	RV	RG	Y	X	Z	REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 13 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	RAY - ORDER											
BUS D15 L		A01M2		1-01 * P						1			1		70
BUS D15 L		A02M2		1-02 * P						2			1		70
BUS D15 L		A03M2		1-03 * H						2			5-5/8		70
BUS D15 L		C01D2		1-04 * P						2			1		70
BUS D15 L		C02D2		1-05 * P						2			1		70
BUS D15 L		C03D2		1-06 * H						2			7-1/8		70
BUS D15 L		A08M2		1-07 * P						2			1		70
BUS D15 L		A09M2		1-08 *											70
BUS D15 L				1									17-6/8		70
BUS D16 L		A01M1		1-01 * P						1			1		71
BUS D16 L		A02M1		1-02 * P						2			1		71
BUS D16 L		A03M1		1-03 * H						2			5-5/8		71
BUS D16 L		C01C1		1-04 * P						2			1		71
BUS D16 L		C02C1		1-05 * P						2			1		71
BUS D16 L		C03C1		1-06 * H						2			7-1/8		71
BUS D16 L		A08M1		1-07 * P						2			1		71
BUS D16 L		A09M1		1-08 *											71
BUS D16 L				1									17-6/8		71
BUS D17 L		A01N2		1-01 * P						1			1		72
BUS D17 L		A02N2		1-02 * P						2			1		72
BUS D17 L		A03N2		1-03 * H						2			7-3/8		72
BUS D17 L		C01S1		1-04 * P						2			1		72
BUS D17 L		C02S1		1-05 * P						2			1		72
BUS D17 L		C03S1		1-06 * H						2			8-7/8		72
BUS D17 L		A08N2		1-07 * P						2			1		72
BUS D17 L		A09N2		1-08 *											72
BUS D17 L				1									21-2/8		72
BUS DC LO L		B01F2		1-01 * P						1			1		73
BUS DC LO L		B02F2		1-02 * P						2			1		73
BUS DC LO L		B03F2		1-03 *						1			4-7/8		73
BUS DC LO L		C01N1		1-04 * P						2			1		73
BUS DC LO L		C02N1		1-05 * P						2			1		73
BUS DC LO L		C03N1		1-06 *						1			5		73
BUS DC LO L		B08F2		1-07 * P						2			1		73
BUS DC LO L		B09F2		1-08 *											73
BUS DC LO L				1									14-7/8		73
BUS INIT L		A01A1		1-01 * P						1			1		74
BUS INIT L		A02A1		1-02 * P						2			1		74
BUS INIT L		A03A1		1-03 *						1			10-3/8		74
BUS INIT L		D01L1		1-04 * P						2			1		74
BUS INIT L		D02L1		1-05 * P						2			1		74
BUS INIT L		D03L1		1-06 *						1			11-7/8		74
BUS INIT L		A08A1		1-07 * P						2			1		74
BUS INIT L		A09A1		1-08 *											74
BUS INIT L				1									27-2/8		74

RK611.F		WRAPP .V35(102)-1		03-JUN-77												18-Aug-77		15:31		PAGE 14			
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS				NC	LENGTH	EXCEPTIONS		RUN NUMBER		
BUS INTR L			A01R1		1-01 *	P						1					1				75		
BUS INTR L			A02B1		1-02 *	P						2					1				75		
BUS INTP L			A03R1		1-03 *	H						2					15-7/8				75		
BUS INTR L			F01M1		1-04 *	P						2					1				75		
BUS INTP L			F02M1		1-05 *	P						2					1				75		
BUS INTP L			F03M1		1-06 *	H						2					17-3/8				75		
BUS INTR L			A08B1		1-07 *	P						2					1				75		
BUS INTR L			A09B1		1-08 *																75		
BUS INTR L					1												30-2/8				75		
BUS MSYN L			B01V1		1-01 *	P						1					1				76		
BUS MSYN L			B02V1		1-02 *	P						2					1				76		
BUS MSYN L			B03V1		1-03 *	H						2					7-5/8				76		
BUS MSYN L			E01E1		1-04 *	P						2					1				76		
BUS MSYN L			E02E1		1-05 *	P						2					1				76		
BUS MSYN L			E03E1		1-06 *	H						2					9-1/8				76		
BUS MSYN L			B08V1		1-07 *	P						2					1				76		
BUS MSYN L			B09V1		1-08 *																76		
BUS MSYN L					1												21-6/8				76		
BUS NPG IN H			A01U1		1-01 *	H						2					3-6/8				77		
BUS NPG IN H			C01A1		1-02 *							1					0-1/8				77		
BUS NPG IN H			C01B1		1-03 *	P						2					0-5/8				77		
BUS NPG IN H			C02A1		1-04 *							1					0-1/8				77		
BUS NPG IN H			C02B1		1-05 *	P						2					0-5/8				77		
BUS NPG IN H			C03A1		1-06 *							1					0-1/8				77		
BUS NPG IN H			C03R1		1-07 *	H						2					5				77		
BUS NPG IN H			A08V2		1-08 *																77		
BUS NPG IN H					1												10-3/8				77		
BUS NPG OUT H			A08U1		1-01 *	P						1					1				78		
BUS NPG OUT H			A09U1		1-02 *																78		
BUS NPG OUT H					1												1-0/8				78		
BUS NPP L			A01S2		1-01 *	P						1					1				79		
BUS NPP L			A02S2		1-02 *	P						2					1				79		
BUS NPP L			A03S2		1-03 *							1					13-7/8				79		
BUS NPP L			F01J1		1-04 *	P						2					1				79		
BUS NPP L			F02J1		1-05 *	P						2					1				79		
BUS NPP L			F03J1		1-06 *							1					15-3/8				79		
BUS NPP L			A08S2		1-07 *	P						2					1				79		
BUS NPP L			A09S2		1-08 *																79		
BUS NPP L					1												34-2/8				79		
BUS SACK L			A01R2		1-01 *	P						1					1				80		
BUS SACK L			A02R2		1-02 *	P						2					1				80		
BUS SACK L			A03R2		1-03 *	H						2					14-7/8				80		
BUS SACK L			F01T2		1-04 *	P						2					1				80		
BUS SACK L			F02T2		1-05 *	P						2					1				80		
BUS SACK L			F03T2		1-06 *	H						2					10-3/8				80		
BUS SACK L			A08R2		1-07 *	P						2					1				80		
BUS SACK L			A09R2		1-08 *																80		
BUS SACK L					1												36-2/8				80		

RK611.F		WRAPD .V35(102)-1		03-JUN-77												18-Aug-77		15:31		PAGE 15			
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS				NC	LENGTH	EXCEPTIONS		RUN NUMBER		
BUS SSYN L			B01U1		1-01 *	P						1					1				81		
BUS SSYN L			F02U1		1-02 *	P						2					1				81		
BUS SSYN L			B03U1		1-03 *	H						2					7-7/8				81		
BUS SSYN L			E01J1		1-04 *	P						2					1				81		
BUS SSYN L			E02J1		1-05 *	P						2					1				81		
BUS SSYN L			E03J1		1-06 *							1					3-5/8				81		
BUS SSYN L			F01C1		1-07 *							2					1				81		
BUS SSYN L			F02C1		1-08 *							1					1				81		
BUS SSYN L			F03C1		1-09 *	H						2					11-5/8				81		
BUS SSYN L			B08U1		1-10 *	P						2					1				81		
BUS SSYN L			B09U1		1-11 *																81		
BUS SSYN L					1												30-1/8				81		
CN1 CLK NED L			B07E2		1-01 *							1					11-1/8				82		
CN1 CLK NED L			F06P1		1-02 *																82		
CN1 CLK NED L					1												11-1/8				82		
CN1 CLP MSG DONE L			A07E1		1-01 *							1					7-1/8				83		
CN1 CLR MSG DONE L			C06R1		1-02 *												7-1/8				83		
CN1 CLP MSG DONE L					1																83		
CN1 ENA INPUT DATA H			D04P1		1-01 *							1					5-7/8				84		
CN1 ENA INPUT DATA H			F06P1		1-02 *												5-7/8				84		
CN1 ENA INPUT DATA H					1																84		
CN1 MODULE OUT CD H			E05U1		1-01 *							1					1-6/8				85		
CN1 MODULE OUT CD H			E06K2		1-02 *												1-6/8				85		
CN1 MODULE OUT CD H					1																85		
CN1 SET FUN FF L			A07C1		1-01 *							1					12-5/8				86		
CN1 SFT FUN FF L			E06R1		1-02 *												12-5/8				86		
CN1 SET FUN FF L					1																86		
CN1 SET UFE L			B07T2		1-01 *							1					7-1/8				87		
CN1 SET UFE L			E06P1		1-02 *												7-1/8				87		
CN1 SET UFE L					1																87		
CN1 WRT HDR ENA(1) H			B05K2		1-01 *							1					11-1/8				88		
CN1 WRT HDR ENA(1) H			F04P1		1-02 *							2					2				88		
CN1 WRT HDR ENA(1) H			F06S2		1-03 *																88		
CN1 WRT HDR ENA(1) H					1												13-1/8				88		
CN2 CLR SEC CNT H			B07R1		1-01 *							1					4-7/8				89		
CN2 CLR SEC CNT H			D06E2		1-02 *												4-7/8				89		
CN2 CLR SEC CNT H					1																89		
CN2 CLR TRK CNT L			B07B1		1-01 *							1					9-5/8				90		
CN2 CLR TRK CNT L			F06K1		1-02 *												9-5/8				90		
CN2 CLR TRK CNT L					1																90		
CN2 CORRECT SEC(1) H			E04S1		1-01 *							1					3-7/8				91		
CN2 CORRECT SEC(1) H			F06N1		1-02 *												3-7/8				91		
CN2 CORRECT SEC(1) H					1																91		

RR611.F RUN NAME	A/P	WRAPD ,V35(102)-1 PIN NAME	ORDER PIN	03-JUN-77 RAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	18-AUG-77	15131 NC LENGTH FLAG	PAGE 16 EXCEPTIONS	RUN NUMBER
CN2 INC SEC CNT L		A77P1		1-01 *							1					92
CN2 INC SEC CNT L		F06S1		1-02 *										11-5/8		92
CN2 INC SFC CNT L				1										11-5/8		92
CN2 INC TRK CNT L		A07U1		1-01 *							1			10-7/8		93
CN2 INC TRK CNT L		E06T2		1-02 *												93
CN2 INC TRK CNT L				1										10-7/8		93
CN2 SFT COE L		C07C1		1-01 *							1			3-5/8		94
CN2 SFT COE L		D06D1		1-02 *												94
CN2 SET COE L				1										3-5/8		94
CN3 DR0 ATTN(1) H		C06F2		1-01 *							1			1		95
CN3 DR0 ATTN(1) H		C07F2		1-02 *												95
CN3 DR0 ATTN(1) H				1										1-0/8		95
CN3 DR1 ATTN(1) H		C06L1		1-01 *							1			1-4/8		96
CN3 DR1 ATTN(1) H		C07D2		1-02 *												96
CN3 DR1 ATTN(1) H				1										1-4/8		96
CN3 DR2 ATTN(1) H		C06M1		1-01 *							1			1-4/8		97
CN3 DR2 ATTN(1) H		C07F2		1-02 *												97
CN3 DR2 ATTN(1) H				1										1-4/8		97
CN3 DR3 ATTN(1) H		C07F1		1-01 *							1			3-1/8		98
CN3 DR3 ATTN(1) H		D06A1		1-02 *												98
CN3 DR3 ATTN(1) H				1										3-1/8		98
CN3 DR4 ATTN(1) H		C06H2		1-01 *							1			1-5/8		99
CN3 DR4 ATTN(1) H		C07R2		1-02 *												99
CN3 DR4 ATTN(1) H				1										1-5/8		99
CN3 DR5 ATTN(1) H		C06H1		1-01 *							1			1-5/8		100
CN3 DR5 ATTN(1) H		C07L2		1-02 *												100
CN3 DR5 ATTN(1) H				1										1-5/8		100
CN3 DR6 ATTN(1) H		C06K2		1-01 *							1			1		101
CN3 DR6 ATTN(1) H		C07M2		1-02 *												101
CN3 DR6 ATTN(1) H				1										1-0/8		101
CN3 DR7 ATTN(1) H		C06F1		1-01 *							1			1-7/8		102
CN3 DR7 ATTN(1) H		C07R1		1-02 *												102
CN3 DR7 ATTN(1) H				1										1-7/8		102
CN3 DRIVE ATTN L		D06N1		1-01 *							1			6-1/8		103
CN3 DRIVE ATTN L		F08K1		1-02 *												103
CN3 DRIVE ATTN L				1										6-1/8		103
CN3 MSG(0) H		A07D1		1-01 *							1			14-5/8		104
CN3 MSG(0) H		F06J1		1-02 *												104
CN3 MSG(0) H				1										14-5/8		104
CN3 POLL ADDR 0 H		A04C1		1-01 *							1			9-3/8		105
CN3 POLL ADDR 0 H		D06C1		1-02 *												105
CN3 POLL ADDR 0 H				1										9-3/8		105

RK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 18 EXCEPTIONS	RUN NUMBER
CN5 COMBINED ERROR L	A06P1		1-01 *							1			6-7/8		120
CN5 COMBINED ERROR L	C08N2		1-02 *												120
CN5 COMBINED ERROR L			1										6-7/8		120
CN5 LD A H	A05M1		1-01 *							2			1-5/8		121
CN5 LD A H	A07K1		1-02 *							1			10-3/8		121
CN5 LD A H	E06D2		1-03 *												121
CN5 LD A H			1										12-0/8		121
CN5 MESSAGE A OUT H	A04J2		1-01 *							1			3-7/8		122
CN5 MESSAGE A OUT H	B06H2		1-02 *												122
CN5 MESSAGE A OUT H			1										3-7/8		122
CN5 MESSAGE B OUT H	B04H2		1-01 *							1			1-5/8		123
CN5 MESSAGE B OUT H	B06F2		1-02 *												123
CN5 MESSAGE B OUT H			1										1-5/8		123
CN5 MSG TO L	B07M1		1-01 *							1			7-3/8		124
CN5 MSG TO L	E06A1		1-02 *												124
CN5 MSG TO L			1										7-3/8		124
CN5 SPAR ERR(1) H	A06S2		1-01 *							1			6-7/8		125
CN5 SPAR ERR(1) H	C08V1		1-02 *												125
CN5 SPAR ERR(1) H			1										6-7/8		125
CN6 CLR FF(1) L	A07H1		1-01 *							1			7-3/8		126
CN6 CLR FF(1) L	C06U1		1-02 *												126
CN6 CLR FF(1) L			1										7-3/8		126
CN6 CYL ADDR0 H	D06S1		1-01 *							1			2-5/8		127
CN6 CYL ADDR0 H	F07H2		1-02 *												127
CN6 CYL ADDR0 H			1										2-5/8		127
CN6 CYL ADDR1 H	D06S2		1-01 *							1			2-1/8		128
CN6 CYL ADDR1 H	E07E2		1-02 *												128
CN6 CYL ADDR1 H			1										2-1/8		128
CN6 CYL ADDR2 H	A06M2		1-01 *							1			10-1/8		129
CN6 CYL ADDR2 H	F07B1		1-02 *												129
CN6 CYL ADDR2 H			1										10-1/8		129
CN6 CYL ADDR3 H	A06V2		1-01 *							1			9-3/8		130
CN6 CYL ADDR3 H	F07E1		1-02 *												130
CN6 CYL ADDR3 H			1										9-3/8		130
CN6 CYL ADDR4 H	C06D1		1-01 *							1			4-7/8		131
CN6 CYL ADDR4 H	L07S1		1-02 *												131
CN6 CYL ADDR4 H			1										4-7/8		131
CN6 CYL ADDR5 H	B06T2		1-01 *							1			1-7/8		132
CN6 CYL ADDR5 H	C07H1		1-02 *												132
CN6 CYL ADDR5 H			1										1-7/8		132
CN6 CYL ADDR6 H	B06S1		1-01 *							1			3-7/8		133
CN6 CYL ADDR6 H	C07U2		1-02 *												133
CN6 CYL ADDR6 H			1										3-7/8		133

RK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 19 EXCEPTIONS	RUN NUMBER
CN6 CYL ADDR7 H	A06H1		1-01 *							1			7-3/8		134
CN6 CYL ADDR7 H	C07U1		1-02 *												134
CN6 CYL ADDR7 H			1										7-3/8		134
CN6 CYL ADDR8 H	B06K1		1-01 *							1			11-1/8		135
CN6 CYL ADDR8 H	F07D2		1-02 *												135
CN6 CYL ADDR8 H			1										11-1/8		135
CN6 CYL ADDR9 H	B07E1		1-01 *							1			2-7/8		136
CN6 CYL ADDR9 H	C06A1		1-02 *												136
CN6 CYL ADDR9 H			1										2-7/8		136
CN6 MSG RCVD H	A07J1		1-01 *							1			10-1/8		137
CN6 MSG RCVD H	D06U1		1-02 *												137
CN6 MSG RCVD H			1										10-1/8		137
CN6 OP DONE L	C06E1		1-01 *							1			9-5/8		138
CN6 OP DONE L	F08H1		1-02 *												138
CN6 OP DONE L			1										9-5/8		138
DA1 OBUF 16 H	C08R1		1-01 *							1			7-3/8		139
DA1 OBUF 16 H	E05V2		1-02 *												139
DA1 OBUF 16 H			1										7-3/8		139
DA1 OBUF 17 H	C08H1		1-01 *							1			8-1/8		140
DA1 OBUF 17 H	E05U2		1-02 *												140
DA1 OBUF 17 H			1										8-1/8		140
DA1 WCE(1) H	B05U2		1-01 *							1			4-1/8		141
DA1 WCE(1) H	C07V2		1-02 *												141
DA1 WCE(1) H			1										4-1/8		141
DA3 COMBINED ERROR L	A05F1		1-01 *							1			8-1/8		142
DA3 COMBINED ERROR L	C08P2		1-02 *												142
DA3 COMBINED ERROR L			1										8-1/8		142
DA3 DBL CYCLE(0) H	B05H2		1-01 *							1			13-3/8		143
DA3 DBL CYCLE(0) H	F08U1		1-02 *												143
DA3 DBL CYCLE(0) H			1										13-3/8		143
DA3 DLT ERROR H	A05D1		1-01 *							1			7-5/8		144
DA3 DLT ERROR H	C07P1		1-02 *												144
DA3 DLT ERROR H			1										7-5/8		144
DA3 IBUF FULL(0) H	B05S2		1-01 *							1			10-7/8		145
DA3 IBUF FULL(0) H	F07F2		1-02 *												145
DA3 IBUF FULL(0) H			1										10-7/8		145
DA3 INC DP WC L	D05E2		1-01 *							1			6-1/8		146
DA3 INC DP WC L	F07B1		1-02 *												146
DA3 INC DP WC L			1										6-1/8		146
DA3 OBUF FULL(1) H	C05S2		1-01 *							1			8-3/8		147
DA3 OBUF FULL(1) H	F07H2		1-02 *												147
DA3 OBUF FULL(1) H			1										8-3/8		147

PK611.F	WRAPD ,V35(102)-1		03-JUN-77		10-AUG-77		1531		PAGE 20							
RUN NAME	A/P	FIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	NC	LENGTH	EXCEPTIONS	RUN NUMBER
DA4 ADDRESS TO BUS L		A05L2		1-01 *							1			13-1/8		148
DA4 ADDRESS TO BUS L		E08U2		1-02 *												148
DA4 ADDRESS TO BUS L				1										13-1/8		148
DA4 DATA RQST(1) L		B05M2		1-01 *							1			12-1/8		149
DA4 DATA RQST(1) L		F08L1		1-02 *												149
DA4 DATA RQST(1) L				1										12-1/8		149
DA4 END CYCLE(0) H		A05A1		1-01 *							1			10-1/8		150
DA4 END CYCLE(0) H		D06T1	C07L1	1-02 *							2			3-5/8		150
DA4 END CYCLE(0) H		C07L1		1-03 *												150
DA4 END CYCLE(0) H				1										13-6/8		150
DA4 MSYN CLR(1) H		D05J2		1-01 *							1			6-7/8		151
DA4 MSYN CLR(1) H		F07P1		1-02 *												151
DA4 MSYN CLR(1) H				1										6-7/8		151
DA4 MSYN(1) L		A05E2		1-01 *							1			16-1/8		152
DA4 MSYN(1) L		F08S1		1-02 *												152
DA4 MSYN(1) L				1										16-1/8		152
DA4 NEM(1) H		A05J1		1-01 *							1			7-1/8		153
DA4 NEM(1) H		C07N1		1-02 *												153
DA4 NEM(1) H				1										7-1/8		153
DA5 CLR RD HDR L		B05J2		1-01 *							1			12-3/8		154
DA5 CLR RD HDR L		F06V1		1-02 *												154
DA5 CLR RD HDR L				1										12-3/8		154
DA5 SHIFT REG 00 H		F05H2		1-01 *							1			4-7/8		155
DA5 SHIFT REG 00 H		F04U2		1-02 *												155
DA5 SHIFT REG 00 H				1										4-7/8		155
DA6 DATA FIELD H		B04P2		1-01 *							1			5-3/8		156
DA6 DATA FIELD H		D05H2		1-02 *												156
DA6 DATA FIELD H				1										5-3/8		156
DA6 DATA H		D05B1		1-01 *							1			7-1/8		157
DA6 DATA H		F04M2		1-02 *												157
DA6 DATA H				1										7-1/8		157
DA6 ECC FIELD L		C05V2		1-01 *							1			7-3/8		158
DA6 ECC FIELD L		F04F2		1-02 *												158
DA6 ECC FIELD L				1										7-3/8		158
DA6 HEADER DATA L		C06U2		1-01 *							2			2-1/8		159
DA6 HEADER DATA L		D05F2		1-02 *							1			6-3/8		159
DA6 HEADER DATA L		F04J2		1-03 *												159
DA6 HEADER DATA L				1										8-4/8		159
DA6 HEADER H		D05C1		1-01 *							1			4-5/8		160
DA6 HEADER H		E04T2		1-02 *												160
DA6 HEADER H				1										4-5/8		160

RK611.F		WRAPD .V35(102)-1 03-JUN-77										18-AUG-77		15131		PAGE 22		RUN NUMBER
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS		
DEV1	RR OUT L		D01J2		1-01 *							2			6-5/8		174	
DEV1	RR OUT L		F01P1		1-02 *							1			1		174	
DEV1	RR OUT L		F01U2		1-03 *												174	
DEV1	BR OUT L				1										7-5/8		174	
DEV1	F01L2		F01L2		1-01 *							1			1		175	
DEV1	F01L2		F01P1		1-02 *												175	
DEV1	F01L2				1										1-0/8		175	
DEV1	F01M2		F01M2		1-01 *							1			1		176	
DEV1	F01M2		F01S1		1-02 *												176	
DEV1	F01M2				1										1-0/8		176	
DEV1	F01N1		F01D2		1-01 *							2			1-5/8		177	
DEV1	F01N1		F01N1		1-02 *							1			0-4/8		177	
DEV1	F01N1		F01R2		1-03 *												177	
DEV1	F01N1				1										2-1/8		177	
DEV1	F01P2		F01P2		1-01 *							1			0-4/8		178	
DEV1	F01P2		F01S2		1-02 *												178	
DEV1	F01P2				1										0-4/8		178	
DEV1	F01V2		F01E1		1-01 *							1			2-3/8		179	
DEV1	F01V2		F01V2		1-02 *												179	
DEV1	F01V2				1										2-3/8		179	
DEV1	IN H		D01H1		1-01 *							1			3-4/8		180	
DEV1	IN H		E01M1		1-02 *												180	
DEV1	IN H				1										3-4/8		180	
DEV1	INIT A H		D01N1		1-01 *							1			0-3/8		181	
DEV1	INIT A H		F01U1		1-02 *												181	
DEV1	INIT A H				1										6-3/8		181	
DEV1	INIT B H		C01J1		1-01 *							1			8-5/8		182	
DEV1	INIT B H		F01K2		1-02 *												182	
DEV1	INIT B H				1										0-5/8		182	
DEV1	INT EM6A H		D01M1		1-01 *							1			6-5/8		183	
DEV1	INT FM6A H		F01V1		1-02 *												183	
DEV1	INT EM6A H				1										6-5/8		183	
DEV1	INT FM6B H		C01L1		1-01 *							1			8-1/8		184	
DEV1	INT EM6B H		F01W2		1-02 *												184	
DEV1	INT EM6B H				1										8-1/8		184	
DEV1	CUT HIGH H		D01F1		1-01 *							1			3-3/8		185	
DEV1	OUT HIGH H		E01M2		1-02 *												185	
DEV1	OUT HIGH H				1										3-3/8		185	
DEV1	OUT LOW H		D01D1		1-01 *							1			4		186	
DEV1	OUT LOW H		E01N1		1-02 *												186	
DEV1	OUT LOW H				1										4-0/8		186	

RK611.F		WRAPD .V35(102)-1				03-JUN-77				18-AUG-77		15131		PAGE 23		RUN	
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS	NUMBER
DEV1	SELECT 0 H		D01F1		1-01 *							1			4-1/8		187
DEV1	SELECT 0 H		E01S2		1-02 *												187
DEV1	SELECT 0 H				1										4-1/8		187
DEV1	SELECT 2 H		D01J1		1-01 *							1			4-1/8		188
DEV1	SELECT 2 H		E01T2		1-02 *												188
DEV1	SELECT 2 H				1										4-1/8		188
DEV1	SELECT 4 H		D01E1		1-01 *							1			4-3/8		189
DEV1	SELECT 4 H		E01R2		1-02 *												189
DEV1	SELECT 4 H				1										4-3/8		189
DEV1	SELECT 6 H		D01C1		1-01 *							1			4-4/8		190
DEV1	SELECT 6 H		E01S1		1-02 *												190
DEV1	SELECT 6 H				1										4-4/8		190
DEV1	SSYN INHIBIT L		D01V1		1-01 *							1			1		191
DEV1	SSYN INHIBIT L		F01B1		1-02 *												191
DEV1	SSYN INHIBIT L				1										1-0/8		191
DEV2	BG IN H		D02U2		1-01 *							1			3-7/8		192
DEV2	BG IN H		F02B1		1-02 *												192
DEV2	BG IN H				1										3-7/8		192
DEV2	BG OUT H		D02V2		1-01 *							1			3-7/8		193
DEV2	BG OUT H		F02A1		1-02 *												193
DEV2	BG OUT H				1										3-7/8		193
DEV2	BR OUT L		D02J2		1-01 *							2			6-5/8		194
DEV2	BR OUT L		F02P1		1-02 *							1			1		194
DEV2	BR OUT L		F02U2		1-03 *												194
DEV2	BR OUT L				1										7-5/8		194
DEV2	F02L2		F02L2		1-01 *							1			1		195
DEV2	F02L2		F02R1		1-02 *												195
DEV2	F02L2				1										1-0/8		195
DEV2	F02M2		F02M2		1-01 *							1			1		196
DEV2	F02M2		F02S1		1-02 *												196
DEV2	F02M2				1										1-0/8		196
DEV2	F02N1		F02D2		1-01 *							2			1-5/8		197
DEV2	F02N1		F02N1		1-02 *							1			0-4/8		197
DEV2	F02N1		F02R2		1-03 *												197
DEV2	F02N1				1										2-1/8		197
DEV2	F02P2		F02P2		1-01 *							1			0-4/8		198
DEV2	F02P2		F02S2		1-02 *												198
DEV2	F02P2				1										0-4/8		198
DEV2	F02V2		F02E1		1-01 *							1			2-3/8		199
DEV2	F02V2		F02V2		1-02 *												199
DEV2	F02V2				1										2-3/8		199

RR611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	RAY - Q ORDER	DRAW OPT	PV RG Y	X Z	REMARKS	10-AUG-77	15131 NC LENGTH FLAG	PAGE 24 EXCEPTIONS	RUN NUMBER
DEV2 IN H	D02H1		1-01 *			1			3-4/8		200
DEV2 IN H	E02M1		1-02 *						200		200
DEV2 IN H			1						3-4/8		200
DEV2 INIT A H	D02N1		1-01 *			1			6-3/8		201
DEV2 INIT A H	F02U1		1-02 *						201		201
DEV2 INIT A H			1						6-3/8		201
DEV2 INIT R H	C02J1		1-01 *			1			8-5/8		202
DEV2 INIT R H	F02K2		1-02 *						202		202
DEV2 INIT R H			1						8-5/8		202
DEV2 INT EM6 (B) H	C02L1		1-01 *			1			8-1/8		203
DEV2 INT EM6 (B) H	F02H2		1-02 *						203		203
DEV2 INT EM6 (B) H			1						8-1/8		203
DEV2 INT EM6(A) H	D02M1		1-01 *			1			6-5/8		204
DEV2 INT EM6(A) H	F02V1		1-02 *						204		204
DEV2 INT EM6(A) H			1						6-5/8		204
DEV2 OUT HIGH H	D02K1		1-01 *			1			3-3/8		205
DEV2 OUT HIGH H	E02M2		1-02 *						205		205
DEV2 OUT HIGH H			1						3-3/8		205
DEV2 OUT LOW H	D02D1		1-01 *			1			4		206
DEV2 OUT LOW H	F02N1		1-02 *						206		206
DEV2 OUT LOW H			1						4-0/8		206
DEV2 SELECT 0 H	D02F1		1-01 *			1			4-1/8		207
DEV2 SELECT 0 H	E02S2		1-02 *						207		207
DEV2 SELECT 0 H			1						4-1/8		207
DEV2 SELECT 2 H	D02J1		1-01 *			1			4-1/8		208
DEV2 SELECT 2 H	F02T2		1-02 *						208		208
DEV2 SELECT 2 H			1						4-1/8		208
DEV2 SELECT 4 H	D02F1		1-01 *			1			4-3/8		209
DEV2 SELECT 4 H	F02R2		1-02 *						209		209
DEV2 SELECT 4 H			1						4-3/8		209
DEV2 SELECT 6 H	D02C1		1-01 *			1			4-4/8		210
DEV2 SELECT 6 H	E02S1		1-02 *						210		210
DEV2 SELECT 6 H			1						4-4/8		210
DEV2 SSYN INHIBIT L	D02V1		1-01 *			1			1		211
DEV2 SSYN INHIBIT L	E02R1		1-02 *						211		211
DEV2 SSYN INHIBIT L			1						1-0/8		211
DEV3 BG IN H	D03U2		1-01 *			1			3-7/8		212
DEV3 BG IN H	F03E1		1-02 *						212		212
DEV3 BG IN H			1						3-7/8		212
DEV3 BG OUT H	D03V2		1-01 *			1			3-7/8		213
DEV3 BG OUT H	F03A1		1-02 *						213		213
DEV3 BG OUT H			1						3-7/8		213

RK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - ORDER	Q	DPAW	RV	RG	Y	X	Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 26 EXCEPTIONS	RUN NUMBER
DEV3 SELECT 0 H	D03F1		1-01 *							1			4-1/8		227
DEV3 SELECT 0 H	E03S2		1-02 *												227
DEV3 SELECT 0 H			1										4-1/8		227
DEV3 SELECT 2 H	D03J1		1-01 *							1			4-1/8		228
DEV3 SELECT 2 H	F03T2		1-02 *												228
DEV3 SELECT 2 H			1										4-1/8		228
DEV3 SELECT 4 H	D03E1		1-01 *							1			4-3/8		229
DEV3 SELECT 4 H	E03R2		1-02 *												229
DEV3 SELECT 4 H			1										4-3/8		229
DEV3 SELECT 6 H	D03C1		1-01 *							1			4-4/8		230
DEV3 SELECT 6 H	F03S1		1-02 *												230
DEV3 SELECT 6 H			1										4-4/8		230
DEV3 SSYN INHIBIT L	D03V1		1-01 *							1			1		231
DEV3 SSYN INHIBIT L	F03R1		1-02 *												231
DEV3 SSYN INHIBIT L			1										1-0/8		231
DR1 DISABLE FLO OUT L	F04H2		1-01 *							1			0-4/8		232
DR1 DISABLE FLO OUT L	F04K2		1-02 *												232
DR1 DISABLE FLO OUT L			1										0-4/8		232
DR2 CONTR DATA CLK H	F04H2		1-01 *							1			1-7/8		233
DR2 CONTR DATA CLK H	E05S2		1-02 *												233
DR2 CONTR DATA CLK H			1										1-7/8		233
DR2 CONTR INDEX H	F04L2		1-01 *							1			5-1/8		234
DR2 CONTR INDEX H	F06V2		1-02 *												234
DR2 CONTR INDEX H			1										5-1/8		234
DR2 CONTR SEC PULSE H	A05R2		1-01 *							1			7-5/8		235
DR2 CONTR SEC PULSE H	D06H1		1-02 *							2			4-1/8		235
DR2 CONTR SFC PULSE H	E04N2		1-03 *												235
DR2 CONTR SFC PULSE H			1										11-6/8		235
DR2 DIAG MODE(1) H	A05V1		1-01 *							2			3-1/8		236
DR2 DIAG MODE(1) H	B07L1		1-02 *							1			10-3/8		236
DR2 DIAG MODE(1) H	F00R1		1-03 *							2			2		236
DR2 DIAG MODE(1) H	F06H1		1-04 *							1			2-5/8		236
DR2 DIAG MODE(1) H	E04U2		1-05 *												236
DR2 DIAG MODE(1) H			1										10-1/8		236
DR2 M RD DATA(1) H	B05S1		1-01 *							1			7-5/8		237
DR2 M RD DATA(1) H	E04K2		1-02 *												237
DR2 M RD DATA(1) H			1										7-5/8		237
DR2 M SEC PUL(1) H	A05R1		1-01 *							1			11-1/8		238
DR2 M SEC PUL(1) H	F04P2		1-02 *												238
DR2 M SEC PUL(1) H			1										11-1/8		238
DR2 MAINT CLK(1) H	B05V1		1-01 *							1			7-1/8		239
DR2 MAINT CLK(1) H	E04J2		1-02 *												239
DR2 MAINT CLK(1) H			1										7-1/8		239

RK611.F		WRAPP .V35(102)-1		03-JUN-77				18-AUG-77		15:31		PAGE 27		RUN			
RUN NAME		A/P	PIN	ORDER	BAY -	Q	DRAW	RV	RG	Y	X	Z	REMARKS	NC	LENGTH	EXCEPTIONS	NUMBER
			NAME	PIN	ORDEP												
DR2 MAINT IND(1) H			A05N1		1-01 *							1			11-1/8		240
DR2 MAINT IND(1) H			E04M2		1-02 *												240
DR2 MAINT IND(1) H					1										11-1/8		240
DR2 NRZ RD DATA(1) H			F06V2		1-01 *						2				1-5/8		241
DR2 NRZ RD DATA(1) H			B05V2		1-02 *						1				10-7/8		241
DR2 NRZ RD DATA(1) H			F04N1		1-03 *												241
DR2 NRZ RD DATA(1) H					1										12-4/8		241
DR2 PAR TEST(1) H			B05J1		1-01 *						1				3-7/8		242
DR2 PAR TEST(1) H			C06P1		1-02 *						2				4-3/8		242
DR2 PAR TEST(1) H			D04U2		1-03 *												242
DR2 PAR TEST(1) H					1										8-2/8		242
DR2 RD DATA CLK H			A06V1		1-01 *						2				4-3/8		243
DR2 RD DATA CLK H			C05E2		1-02 *						1				10-3/8		243
DR2 RD DATA CLK H			F04S1		1-03 *												243
DR2 RD DATA CLK H					1										14-6/8		243
DR2 TMNG CLK B(0) H			B05N2		1-01 *						1				10-3/8		244
DR2 TMNG CLK B(0) H			F04A1		1-02 *												244
DR2 TMNG CLK B(0) H					1										10-3/8		244
DR2 TMNG CLK R(1) H			C05F2		1-01 *						1				6-7/8		245
DR2 TMNG CLK B(1) H			E04L1		1-02 *												245
DR2 TMNG CLK R(1) H					1										6-7/8		245
DR3 ADVANCE H			B05L2		1-01 *						1				4-5/8		246
DR3 ADVANCE H			C04U1		1-02 *												246
DR3 ADVANCE H					1										4-5/8		246
DR3 DELAY H			C04V2		1-01 *						1				4-1/8		247
DR3 DELAY H			E05E1		1-02 *												247
DR3 DELAY H					1										4-1/8		247
DR3 MFM WRT DATA L			A04T2		1-01 *						1				3-1/8		248
DR3 MFM WRT DATA L			B05P2		1-02 *												248
DR3 MFM WRT DATA L					1										3-1/8		248
DR4 BAD RD DATA(1) H			D04J2		1-01 *						1				1-7/8		249
DR4 BAD RD DATA(1) H			D06U2		1-02 *												249
DR4 BAD RD DATA(1) H					1										1-7/8		249
DR4 DCK ERROR H			C07P2		1-01 *						1				4-2/8		250
DR4 DCK ERROR H			D04M1		1-02 *												250
DR4 DCK ERROR H					1										4-2/8		250
DR4 ECC CLK H			B05L1		1-01 *						1				8-7/8		251
DR4 ECC CLK H			E04M1		1-02 *												251
DR4 ECC CLK H					1										8-7/8		251
DR4 ECH(1) H			A04F2		1-01 *						1				14-7/8		252
DR4 ECH(1) H			F07H1		1-02 *												252
DR4 ECH(1) H					1										14-7/8		252

RK611,F RUN NAME	WRAPD .V35(102)-1		03-JUN-77		DRAW	RV	RG	Y	X	Z	REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 28 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER											
DR6 COMBINED ERROR L		D08F2		1-01 *						1			5-4/8		253
DR6 COMBINED ERROR L		E04N1		1-02 *											253
DR6 COMBINED ERROR L				1									5-4/8		253
DR6 CONTROL CLOCK H		H06A1		1-01 *						1			9-7/8		254
DR6 CONTROL CLOCK H		E04J1		1-02 *											254
DR6 CONTROL CLOCK H				1									9-7/8		254
DR6 DTE(1) H		C07N2		1-01 *						1			8-1/8		255
DR6 DTE(1) H		E04U1		1-02 *											255
DR6 DTE(1) H				1									8-1/8		255
DR7 BFGIN SECTOR(1) H		R05F1		1-01 *						1			9-7/8		256
DR7 BFGIN SECTOR(1) H		E04V2		1-02 *											256
DR7 BFGIN SECTOR(1) H				1									9-7/8		256
DR7 RD GATE H		D05U1		1-01 *						1			4-5/8		257
DR7 RD GATE H		F04E1		1-02 *											257
DR7 RD GATE H				1									4-5/8		257
DR7 RD OP WRTCHK H		C05N2		1-01 *						1			8-1/8		258
DR7 RD OP WRTCHK H		F04F2		1-02 *											258
DR7 RD OP WRTCHK H				1									8-1/8		258
DR7 WRT GATE H		B04S2		1-01 *						1			6-5/8		259
DR7 WRT GATE H		D05V2		1-02 *											259
DR7 WRT GATE H				1									6-5/8		259
DR8 ATTN LINE H		A04R2		1-01 *						1			6-7/8		260
DR8 ATTN LINE H		C06V1		1-02 *											260
DR8 ATTN LINE H				1									6-7/8		260
DR8 DRIVE SACK H		A04T2		1-01 *						2			4-1/8		261
DR8 DRIVE SACK H		R07K1		1-02 *						1			12-3/8		261
DR8 DRIVE SACK H		F06U1		1-03 *											261
DR8 DRIVE SACK H				1									16-4/8		261
DR8 MESSAGE A IN H		A06U1		1-01 *						2			3-7/8		262
DR8 MESSAGE A IN H		B04U2		1-02 *						1			7-3/8		262
DR8 MESSAGE A IN H		E07A1		1-03 *											262
DR8 MESSAGE A IN H				1									11-2/8		262
DR8 MESSAGE B IN H		A06U2		1-01 *						2			3-5/8		263
DR8 MESSAGE B IN H		B04R2		1-02 *						1			8-7/8		263
DR8 MESSAGE B IN H		F07J2		1-03 *											263
DR8 MESSAGE B IN H				1									12-4/8		263
DR8 MUL DR SEL H		B04E2		1-01 *						1			4-5/8		264
DR8 MUL DR SEL H		C07J1		1-02 *											264
DR8 MUL DR SEL H				1									4-5/8		264
DR8 RCV STROBE H		R04J2		1-01 *						1			5-7/8		265
DR8 RCV STROBE H		D06E1		1-02 *											265
DR8 RCV STROBE H				1									5-7/8		265

RK611,F RUN NAME	WRAPD .V35(102)-1		03-JUN-77		DRAW	RV	RG	Y	X	Z	REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 29 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER											
GND 01		A01R2		1-01 *	P					1			0-1/8		266
GND 01		A01C2		1-02 *	P					2			1-5/8		266
GND 01		A01N1		1-03 *	P					2			0-1/8		266
GND 01		A01P1		1-04 *	P					2			0-1/8		266
GND 01		A01R1		1-05 *	P					2			0-1/8		266
GND 01		A01S1		1-06 *	P					2			0-1/8		266
GND 01		A01T1		1-07 *	P					2			0-4/8		266
GND 01		A01V2		1-08 *	P					2			1-2/8		266
GND 01		B01B2		1-09 *	P					2			0-1/8		266
GND 01		B01C2		1-10 *	P					2			0-1/8		266
GND 01		H01D1		1-11 *	P					2			0-1/8		266
GND 01		B01E1		1-12 *	P					2			1-7/8		266
GND 01		B01T1		1-13 *	P					2			0-4/8		266
GND 01		B01V2		1-14 *	P					2			1-1/8		266
GND 01		C01C2		1-15 *	P					2			2-1/8		266
GND 01		C01T1		1-16 *	P					2			1-5/8		266
GND 01		D01C2		1-17 *	P					2			2-1/8		266
GND 01		D01T1		1-18 *	P					2			1-3/8		266
GND 01		E01C2		1-19 *	P					2			2-1/8		266
GND 01		E01T1		1-20 *	P					2			1-5/8		266
GND 01		F01C2		1-21 *	P					2			2-1/8		266
GND 01		F01T1		1-22 *	P					2			5-1/8		266
GND 01		E01A1		1-23 *	P					2			4-3/8		266
GND 01		F01J2		1-24 *	P										266
GND 01				1									30-4/8		266
GND 02		A02C2		1-01 *	P					1			2-1/8		267
GND 02		A02T1	B02C2	1-02 *	P					2			1-5/8		267
GND 02		B02C2		1-03 *	P					2			2-1/8		267
GND 02		B02T1		1-04 *	P					2			1-3/8		267
GND 02		C02C2		1-05 *	P					2			2-1/8		267
GND 02		C02T1		1-06 *	P					2			1-5/8		267
GND 02		D02C2		1-07 *	P					2			2-1/8		267
GND 02		D02T1		1-08 *	P					2			1-1/8		267
GND 02		E02A1		1-09 *	P					2			0-4/8		267
GND 02		E02C2		1-10 *	P					2			2-1/8		267
GND 02		E02T1		1-11 *	P					2			1-5/8		267
GND 02		F02C2		1-12 *	P					2			1-1/8		267
GND 02		F02J2		1-13 *	P					2			1-5/8		267
GND 02		F02T1		1-14 *	P										267
GND 02				1									21-2/8		267

611.F		WRAPD .V35(102)-1 03-JUN-77										10-Aug-77		15131		PAGE 30		RUN	
RUN NAME		A/P	PJN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS	NUMBER		
GND 03			A03C2		1-01 *	P						1			2-1/8		268		
GND 03			A03T1		1-02 *	P						2			1-5/8		268		
GND 03			B03C2		1-03 *	P						2			2-1/8		268		
GND 03			B03T1		1-04 *	P						2			1-3/8		268		
GND 03			C03C2		1-05 *	P						2			2-1/8		268		
GND 03			C03T1		1-06 *	P						2			1-5/8		268		
GND 03			D03C2		1-07 *	P						2			2-1/8		268		
GND 03			D03T1		1-08 *	P						2			1-1/8		268		
GND 03			E03A1		1-09 *	P						2			0-4/8		268		
GND 03			E03C2		1-10 *	P						2			2-1/8		268		
GND 03			E03T1		1-11 *	P						2			1-5/8		268		
GND 03			F03C2		1-12 *	P						2			2-1/8		268		
GND 03			F03T1		1-13 *	P						2			1-5/8		268		
GND 03			F03J2		1-14 *	P											268		
GND 03					1										22-2/8		268		
GND 04			A04C2		1-01 *	P						1			2-1/8		269		
GND 04			A04T1		1-02 *	P						2			1-5/8		269		
GND 04			B04C2		1-03 *	P						2			2-1/8		269		
GND 04			B04T1		1-04 *	P						2			1-3/8		269		
GND 04			C04C2		1-05 *	P						2			2-1/8		269		
GND 04			C04T1		1-06 *	P						2			1-5/8		269		
GND 04			D04C2		1-07 *	P						2			2-1/8		269		
GND 04			D04T1		1-08 *	P						2			1-3/8		269		
GND 04			E04C2		1-09 *	P						2			2-1/8		269		
GND 04			E04T1		1-10 *	P						2			1-5/8		269		
GND 04			F04C2		1-11 *	P						2			2-1/8		269		
GND 04			F04T1		1-12 *	P											269		
GND 04					1										20-3/8		269		
GND 05			A05C2		1-01 *	P						1			2-1/8		270		
GND 05			A05T1		1-02 *	P						2			1-5/8		270		
GND 05			B05C2		1-03 *	P						2			2-1/8		270		
GND 05			B05T1		1-04 *	P						2			1-3/8		270		
GND 05			C05C2		1-05 *	P						2			2-1/8		270		
GND 05			C05T1		1-06 *	P						2			1-5/8		270		
GND 05			D05C2		1-07 *	P						2			2-1/8		270		
GND 05			D05T1		1-08 *	P						2			1-3/8		270		
GND 05			F05C2		1-09 *	P						2			2-1/8		270		
GND 05			E05T1		1-10 *	P						2			1-5/8		270		
GND 05			F05C2		1-11 *	P						2			2-1/8		270		
GND 05			F05T1		1-12 *	P											270		
GND 05					1										20-3/8		270		

RK611.F		WRAPD .V35(102)-1		03-JUN-77		10-Aug-77		15131		PAGE 31		RUN					
RUN NAME		A/P	PIN NAME	ORDER PTN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS	RUN NUMBER
GND 06			A06C2		1-01 *	P						1			2-1/8		271
GND 06			A06T1		1-02 *	P						2			1-5/8		271
GND 06			B06C2		1-03 *	P						2			2-1/8		271
GND 06			B06T1		1-04 *	P						2			1-3/8		271
GND 06			C06C2		1-05 *	P						2			2-1/8		271
GND 06			C06T1		1-06 *	P						2			1-5/8		271
GND 06			D06C2		1-07 *	P						2			2-1/8		271
GND 06			D06T1		1-08 *	P						2			1-3/8		271
GND 06			E06C2		1-09 *	P						2			2-1/8		271
GND 06			E06T1		1-10 *	P						2			1-5/8		271
GND 06			F06C2		1-11 *	P						2			2-1/8		271
GND 06			F06T1		1-12 *	P											271
GND 06					1										20-3/8		271
GND 07			A07C2		1-01 *	P						1			2-1/8		272
GND 07			A07T1		1-02 *	P						2			1-5/8		272
GND 07			B07C2		1-03 *	P						2			2-1/8		272
GND 07			B07T1		1-04 *	P						2			1-3/8		272
GND 07			C07C2		1-05 *	P						2			2-1/8		272
GND 07			C07T1		1-06 *	P						2			1-5/8		272
GND 07			D07C2		1-07 *	P						2			2-1/8		272
GND 07			D07T1		1-08 *	P						2			1-3/8		272
GND 07			E07C2		1-09 *	P						2			2-1/8		272
GND 07			E07T1		1-10 *	P						2			1-5/8		272
GND 07			F07C2		1-11 *	P						2			2-1/8		272
GND 07			F07T1		1-12 *	P											272
GND 07					1										20-3/8		272
GND 08			A08C2		1-01 *	P						1			2-1/8		273
GND 08			A08T1		1-02 *	P						2			1-5/8		273
GND 08			B08C2		1-03 *	P						2			2-1/8		273
GND 08			B08T1		1-04 *	P						2			1-3/8		273
GND 08			C08C2		1-05 *	P						2			2-1/8		273
GND 08			C08T1		1-06 *	P						2			1-5/8		273
GND 08			D08C2		1-07 *	P						2			2-1/8		273
GND 08			D08T1		1-08 *	P						2			1-3/8		273
GND 08			E08C2		1-09 *	P						2			2-1/8		273
GND 08			E08T1		1-10 *	P						2			1-5/8		273
GND 08			F08C2		1-11 *	P						2			2-1/8		273
GND 08			F08T1		1-12 *	P											273
GND 08					1										20-3/8		273

RK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN ORDER NAME PIN	03-JUN-77 BAY - O DRAW ORDER OPT	RV RG Y	X	Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 32 EXCEPTIONS	RUN NUMBER
GND 09	A09B2	1-01 * P			1			0-1/8		274
GND 09	A09C2	1-02 * P			2			1-5/8		274
GND 09	A09M1	1-03 * P			2			0-1/8		274
GND 09	A09P1	1-04 * P			2			0-1/8		274
GND 09	A09R1	1-05 * P			2			0-1/8		274
GND 09	A09S1	1-06 * P			2			0-1/8		274
GND 09	A09T1	1-07 * P			2			0-4/8		274
GND 09	A09V2	1-08 * P			2			1-2/8		274
GND 09	B09B2	1-09 * P			2			0-1/8		274
GND 09	B09C2	1-10 * P			2			0-1/8		274
GND 09	B09D1	1-11 * P			2			0-1/8		274
GND 09	B09F1	1-12 * P			2			1-7/8		274
GND 09	B09T1	1-13 * P			2			0-4/8		274
GND 09	B09V2	1-14 * P			2			1-1/8		274
GND 09	C09C2	1-15 * P			2			2-1/8		274
GND 09	C09T1	1-16 * P			2			1-5/8		274
GND 09	D09C2	1-17 * P			2			2-1/8		274
GND 09	D09T1	1-18 * P			2			1-3/8		274
GND 09	E09C2	1-19 * P			2			2-1/8		274
GND 09	E09T1	1-20 * P			2			1-5/8		274
GND 09	F09C2	1-21 * P			2			2-1/8		274
GND 09	F09T1	1-22 * P								274
GND 09		1						21-0/8		274
LTC	C01D1	1-01 * P			1			1		275
LTC	C02D1	1-02 * P			2			1		275
LTC	C03D1	1-03 * P								275
LTC		1						2-0/8		275
MUBUS INT SSYN	F02E1	1-01 * P			1			1		276
MUBUS INT SSYN	B03E1	1-02 * P								276
MUBUS INT SSYN		1						1-0/8		276
MUBUS PAR DET	B02E2	1-01 * P			1			1		277
MUBUS PAR DET	B03F2	1-02 * P								277
MUBUS PAR DET		1						1-0/8		277
MUBUS PAR P0 L	A02P1	1-01 * P			1			1		278
MUBUS PAR P0 I	A03P1	1-02 * P								278
MUBUS PAR P0 L		1						1-0/8		278
MUBUS PAR P1 L	A02N1	1-01 * P			1			1		279
MUBUS PAR P1 I	A03N1	1-02 * P								279
MUBUS PAR P1 L		1						1-0/8		279
MUBUS SPARE BUS	B02A1	1-01 * P			1			1		280
MUBUS SPARE BUS	B03A1	1-02 * P								280
MUBUS SPARE BUS		1						1-0/8		280
RG1 MODULE OUT RC H	E06J2	1-01 * P			1			1-3/8		281
RG1 MODULE OUT PC H	E07R2	1-02 * P								281
RG1 MODULE OUT RC H		1						1-3/8		281
RG3 BAI INHIBIT(1) H	D07E2	1-01 * P			1			3-5/8		282
RG3 BAI INHIBIT(1) H	E08K1	1-02 * P								282
RG3 BAI INHIBIT(1) H		1						3-5/8		282

RK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN ORDER NAME PIN	03-JUN-77 BAY - O DRAW ORDER OPT	RV RG Y	X	Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 33 EXCEPTIONS	RUN NUMBER
RG3 DR SEL 0(1) H	C06K1	1-01 * P			1			3-5/8		283
RG3 DR SEL 0(1) H	D07H2	1-02 * P								283
RG3 DR SEL 0(1) H		1						3-5/8		283
RG3 DR SEL 1(1) H	C06J1	1-01 * P			1			3-1/8		284
RG3 DR SEL 1(1) H	D07E1	1-02 * P								284
RG3 DR SEL 1(1) H		1						3-1/8		284
RG3 DR SEL 2(1) H	C06J2	1-01 * P			1			1-7/8		285
RG3 DR SEL 2(1) H	C07V1	1-02 * P								285
RG3 DR SEL 2(1) H		1						1-7/8		285
RG3 DR SEL 3(1) H	D04V2	1-01 * P			2			1-4/8		286
RG3 DR SEL 3(1) H	E06D1	1-02 * P			1			3-3/8		286
RG3 DR SEL 3(1) H	D07C1	1-03 * P								286
RG3 DR SEL 3(1) H		1						4-7/8		286
RG3 DR WC OF LO(1) H	A05N2	1-01 * P			1			8-5/8		287
RG3 DR WC OF LO(1) H	D07J1	1-02 * P			2			6-7/8		287
RG3 DR WC OF LO(1) H	F06P1	1-03 * P								287
RG3 DR WC OF LO(1) H		1						13-4/8		287
RG3 WC OFLO(1) H	A05U2	1-01 * P			1			8-3/8		288
RG3 WC OFLO(1) H	D07J2	1-02 * P			2			6-3/8		288
RG3 WC OFLO(1) H	F06L2	1-03 * P								288
RG3 WC OFLO(1) H		1						14-6/8		288
RG5 SEC CNT OFLO H	B07P1	1-01 * P			1			11-5/8		289
RG5 SEC CNT OFLO H	F06U2	1-02 * P								289
RG5 SEC CNT OFLO H		1						11-5/8		289
RG5 TRK CNT OFLO H	A07L1	1-01 * P			1			11-5/8		290
RG5 TRK CNT OFLO H	E06N1	1-02 * P								290
RG5 TRK CNT OFLO H		1						11-5/8		290
RG6 ASRO 00 H	B06J2	1-01 * P			1			6-3/8		291
RG6 ASRO 00 H	D07N1	1-02 * P								291
RG6 ASRO 00 H		1						6-3/8		291
RG6 ASRO 15 H	B06E1	1-01 * P			1			9-1/8		292
RG6 ASRO 15 H	E07F2	1-02 * P								292
RG6 ASRO 15 H		1						9-1/8		292
RG6 ASRO 00 H	B06E2	1-01 * P			1			9-3/8		293
RG6 ASRO 00 H	E07N1	1-02 * P								293
RG6 ASRO 00 H		1						9-3/8		293
RG6 BSRO 15 H	B06F1	1-01 * P			1			9-3/8		294
RG6 BSRO 15 H	E07P1	1-02 * P								294
RG6 BSRO 15 H		1						9-3/8		294
RG6 COMBINED ERROR L	A07N1	1-01 * P			1			5-1/8		295
RG6 COMBINED ERROR L	C08E1	1-02 * P								295
RG6 COMBINED ERROR L		1						5-1/8		295

RK611.F RUN NAME	WRAPD .V35(102)-1		03-JUN-77		DPAW	RV	RG	Y	X	Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 34 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER											
RG7 RD HDR L		A07T2		1-01 *						1			1-5/8		296
RG7 RD HDR L		A05S2		1-02 *						2			5-1/8		296
RG7 RD HDR L		C74F1		1-03 *						1			9-5/8		296
RG7 RD HDR L		F06F2		1-04 *											296
RG7 RD HDR L				1									16-3/8		296
RG7 READ L		A07P1		1-01 *						2			2-7/8		297
RG7 READ L		B05F2		1-02 *						1			11-7/8		297
RG7 READ L		F04L2		1-03 *						2			2-4/8		297
RG7 READ L		F08L2		1-04 *											297
RG7 READ L				1									17-2/8		297
RG7 SELECT CMND L		A05L1		1-01 *						1			2-1/8		298
RG7 SELECT CMND L		A07F2		1-02 *											298
RG7 SELECT CMND L				1									2-1/8		298
RG7 WRT CHK L		A07P2		1-01 *						2			3-1/8		299
RG7 WRT CHK L		B05F2		1-02 *						1			11-7/8		299
RG7 WRT CHK L		F04J1		1-03 *											299
RG7 WRT CHK L				1									15-0/8		299
RG7 WRT HDR L		A07S2		1-01 *						1			13-1/8		300
RG7 WRT HDR L		F06J2		1-02 *											300
RG7 WRT HDR L				1									13-1/8		300
RG7 WRT L		A07S1		1-01 *						1			9-3/8		301
RG7 WRT L		D05S1		1-02 *						2			2-7/8		301
RG7 WRT L		E04R2		1-03 *											301
RG7 WRT L				1									12-2/8		301
TS REG BUS 04 H		A06A1		1-01 *						2			4-3/8		302
TS REG BUS 04 H		B05H1		1-02 *						1			5-5/8		302
TS REG BUS 04 H		D04D1		1-03 *						2			3-5/8		302
TS REG BUS 04 H		C04RV2		1-04 *						1			7-7/8		302
TS REG BUS 04 H		F07J1		1-05 *											302
TS REG BUS 04 H				1									21-4/8		302
TSREG BUS 00 H		A06K2		1-01 *						1			7-3/8		303
TSREG BUS 00 H		C04T2		1-02 *						2			2-5/8		303
TSREG BUS 00 H		D08E1		1-03 *						1			1-7/8		303
TSREG BUS 00 H		D07P1		1-04 *						2			6-1/8		303
TSREG BUS 00 H		F05V2		1-05 *											303
TSREG BUS 00 H				1									18-0/8		303
TSREG BUS 01 H		A06V2		1-01 *						1			6-3/8		304
TSREG BUS 01 H		C04L2		1-02 *						2			3-3/8		304
TSREG BUS 01 H		C04S1		1-03 *						1			3-1/8		304
TSREG BUS 01 H		D07K2		1-04 *						2			6-5/8		304
TSREG BUS 01 H		F05K2		1-05 *											304
TSREG BUS 01 H				1									19-4/8		304

RK611.F RUN NAME	WRAPD .V35(102)-1		03-JUN-77		DRAW	RV	RG	Y	X	Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 35 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER											
TSRFG BUS 02 H		A06R2		1-01 *						2			8-3/8		305
TSRFG BUS 02 H		D08J1		1-02 *						1					305
TSRFG BUS 02 H		D07N2		1-03 *						2			6-1/8		305
TSRFG BUS 02 H		F05J2		1-04 *						1			8-5/8		305
TSREG BUS 02 H		C04N1		1-05 *											305
TSREG BUS 02 H				1									24-1/8		305
TSREG BUS 03 H		A06N1		1-01 *						1			6-5/8		306
TSREG BUS 03 H		C04P2		1-02 *						2			3-4/8		306
TSRFG BUS 03 H		D08K2		1-03 *						1			1-1/8		306
TSREG BUS 03 H		D07L1		1-04 *						2			6-1/8		306
TSRFG BUS 03 H		F05F1		1-05 *											306
TSRFG BUS 03 H				1									17-3/8		306
TSREG BUS 05 H		A06D1		1-01 *						2			3-7/8		307
TSRFG BUS 05 H		B05F1		1-02 *						1			5-7/8		307
TSRFG BUS 05 H		C08T2		1-03 *						2			3-6/8		307
TSRFG BUS 05 H		D04E2		1-04 *						1			6-5/8		307
TSRFG BUS 05 H		F07C1		1-05 *											307
TSREG BUS 05 H				1									20-1/8		307
TSREG BUS 06 H		A06O2		1-01 *						2			2		308
TSRFG BUS 06 H		A08P1		1-02 *						1			2		308
TSRFG BUS 06 H		A05V2		1-03 *						2			6-3/8		308
TSRFG BUS 06 H		C04V1		1-04 *						1			8-3/8		308
TSRFG BUS 06 H		F07E2		1-05 *											308
TSRFG BUS 06 H				1									18-6/8		308
TSREG BUS 07 H		A08N1		1-01 *						1			1-6/8		309
TSREG BUS 07 H		A06F1		1-02 *						2			1-5/8		309
TSREG BUS 07 H		A05P1		1-03 *						1			7-7/8		309
TSREG BUS 07 H		D04F1		1-04 *						2			8-5/8		309
TSRFG BUS 07 H		F07V1		1-05 *											309
TSREG BUS 07 H				1									19-7/8		309
TSRFG BUS 08 H		A06M2		1-01 *						2			5-1/8		310
TSREG BUS 08 H		B05U1		1-02 *						1			2-3/8		310
TSREG BUS 08 H		C04M2		1-03 *						2			2-4/8		310
TSREG BUS 08 H		C08M2		1-04 *						1			8-5/8		310
TSREG BUS 08 H		F07K2		1-05 *											310
TSRFG BUS 08 H				1									18-5/8		310
TSRFG BUS 09 H		A06J2		1-01 *						2			4-5/8		311
TSRFG BUS 09 H		B05R1		1-02 *						1			2-5/8		311
TSREG BUS 09 H		C04K2		1-03 *						2			3-1/8		311
TSREG BUS 09 H		C08U1		1-04 *						1			7-7/8		311
TSRFG BUS 09 H		F07T1		1-05 *											311
TSREG BUS 09 H				1									18-2/8		311
TSREG BUS 10 H		B06S2		1-01 *						2			1-3/8		312
TSREG BUS 10 H		E05P1		1-02 *						1			2-1/8		312
TSRFG BUS 10 H		C04F2		1-03 *						2			2-5/8		312
TSREG BUS 10 H		C08K2		1-04 *						1			9-3/8		312
TSREG BUS 10 H		F07M1		1-05 *											312
TSREG BUS 10 H				1									15-4/8		312

PK611.F RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	Q DRAW BAY - ORDER	PV RG Y OPT	X Z	REMARKS	18-AUG-77	15:31 NC LENGTH FLAG	PAGE 36 EXCEPTIONS	RUN NUMBER
TSREG BUS 11 H	A06C1	1-01 *			2			4-5/8		313
TSREG BUS 11 H	B05M1	1-02 *			1			2-7/8		313
TSRFG BUS 11 H	C04H1	1-03 *			2			3-3/8		313
TSREG BUS 11 H	C08S1	1-04 *			1			7-7/8		313
TSREG BUS 11 H	F07L2	1-05 *								313
TSREG BUS 11 H		1						10-6/8		313
TSRFG BUS 12 H	A06B1	1-01 *			1			6-3/8		314
TSREG BUS 12 H	C08A1	1-02 *			2			5-7/8		314
TSRFG BUS 12 H	D04K2	1-03 *			1			2-5/8		314
TSREG BUS 12 H	E05D1	1-04 *			2			1-4/8		314
TSRFG BUS 12 H	F07D1	1-05 *								314
TSREG BUS 12 H		1						16-3/8		314
TSREG BUS 13 H	A06E1	1-01 *			1			6-1/8		315
TSREG BUS 13 H	B08V2	1-02 *			2			6-7/8		315
TSREG BUS 13 H	D04K1	1-03 *			1			2-6/8		315
TSRFG BUS 13 H	E07C1	1-04 *			2			1-3/8		315
TSREG BUS 13 H	F05F2	1-05 *								315
TSREG BUS 13 H		1						17-1/8		315
TSRFG BUS 14 H	A06E2	1-01 *			2			3-7/8		316
TSRFG BUS 14 H	B08D1	1-02 *			1			7-7/8		316
TSREG BUS 14 H	D04H2	1-03 *			2			2-1/8		316
TSREG BUS 14 H	D05V1	1-04 *			1			2-2/8		316
TSREG BUS 14 H	F07D2	1-05 *								316
TSREG BUS 14 H		1						16-1/8		316
TSRFG BUS 15 H	A06F2	1-01 *			1			9-7/8		317
TSREG BUS 15 H	D04H1	1-02 *			2			2-2/8		317
TSREG BUS 15 H	D05H2	1-03 *			1			1-7/8		317
TSREG BUS 15 H	E07F1	1-04 *			2			8-5/8		317
TSREG BUS 15 H	F08E1	1-05 *								317
TSREG BUS 15 H		1						22-5/8		317
UB1 CCLR H	A07D2	1-01 *			2			2-5/8		318
UB1 CCLR H	A05U1	1-02 *			1			10-1/8		318
UB1 CCLR H	D08T2	1-03 *								318
UB1 CCLR H		1						12-6/8		318
UB1 CCIP L	C07D1	1-01 *			2			3-3/8		319
UB1 CCLR L	B06D1	1-02 *			1			7-7/8		319
UB1 CCIR L	D08P2	1-03 *			2			3-5/8		319
UB1 CCLR L	E04H1	1-04 *								319
UB1 CCLR L		1						14-7/8		319
UB1 DRIVE INIT H	A04H2	1-01 *			2			1-3/8		320
UB1 DRIVE INIT H	A06J1	1-02 *			1			14-1/8		320
UB1 DRIVE INIT H	F08E1	1-03 *								320
UB1 DRIVE INIT H		1						15-4/8		320
UB1 LOAD ATN/OFST L	D07K1	1-01 *			1			1-3/8		321
UB1 LOAD ATN/OFST L	D08S1	1-02 *								321
UB1 LOAD ATN/OFST L		1						1-3/8		321

RK611,F RUN NAME	WRAPD ,V35(102)-1 03-JUN-77										REMARKS	18-AUG-77	15131 NC LENGTH FLAG	PAGE 38 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z				
UB1 READ WC/DA L		D08V2		1-01 *							1		5-3/8		335
UB1 READ WC/DA L		E07M2		1-02 *											335
UB1 READ WC/DA L				1									5-3/8		335
UB1 SLAVE IN L		C07H2		1-01 *							1		7-1/8		336
UB1 SLAVE IN L		E08R2		1-02 *											336
UB1 SLAVE IN L				1									7-1/8		336
UB2 CCLR OR GO CLR H		A05P2		1-01 *							2		2-2/8		337
UB2 CCLR OR GO CLR H		B07A1		1-02 *							1		1-5/8		337
UB2 CCLR OR GO CLR H		F08V1		1-03 *							2		2-7/8		337
UB2 CCLR OR GO CLR H		F04P2		1-04 *											337
UB2 CCLR OR GO CLR H				1									18-6/8		337
UB2 CNTR DR TYP(1) H		B06C1		1-01 *							1		2-3/8		338
UB2 CNTR DR TYP(1) H		A07R2		1-02 *							2		10-1/8		338
UB2 CNTR DR TYP(1) H		F08E2		1-03 *											338
UB2 CNTR DR TYP(1) H				1									12-4/8		338
UB2 CONTR READY L		P05A1		1-01 *							2		2-2/8		339
UB2 CONTR READY L		B07H2		1-02 *							1		8-7/8		339
UB2 CONTR READY L		F08J2		1-03 *							2		4-7/8		339
UB2 CONTR READY L		F06P2		1-04 *											339
UB2 CONTR READY L				1									16-0/8		339
UB2 F1(1) H		A07U2		1-01 *							1		7-3/8		340
UB2 F1(1) H		D08E2		1-02 *											340
UB2 F1(1) H				1									7-3/8		340
UB2 F2(1) H		A07V2		1-01 *							1		5-5/8		341
UB2 F2(1) H		C08S2		1-02 *											341
UB2 F2(1) H				1									5-5/8		341
UB2 F3(1) H		A07V1		1-01 *							1		6-1/8		342
UB2 F3(1) H		C08U2		1-02 *											342
UB2 F3(1) H				1									6-1/8		342
UB2 F4(1) H		A07F1		1-01 *							2		6-3/8		343
UB2 F4(1) H		C08J1		1-02 *							1		9-1/8		343
UB2 F4(1) H		F06H2		1-03 *											343
UB2 F4(1) H				1									15-4/8		343
UB2 FORMAT 20(1) H		B07U1		1-01 *							1		2-5/8		344
UB2 FORMAT 20(1) H		C04L1		1-02 *							2		5-5/8		344
UB2 FORMAT 20(1) H		F05F1		1-03 *							1		4-3/8		344
UB2 FORMAT 20(1) H		F06D1		1-04 *											344
UB2 FORMAT 20(1) H				1									12-5/8		344
UB3 NPC MASTER(1) H		A05M2		1-01 *							1		16-1/8		345
UB3 NPC MASTER(1) H		F08V2		1-02 *											345
UB3 NPC MASTER(1) H				1									16-1/8		345
UB3 SSYN IN H		A05K2		1-01 *							1		14-5/8		346
UB3 SSYN IN H		F08F1		1-02 *											346
UB3 SSYN IN H				1									14-5/8		346

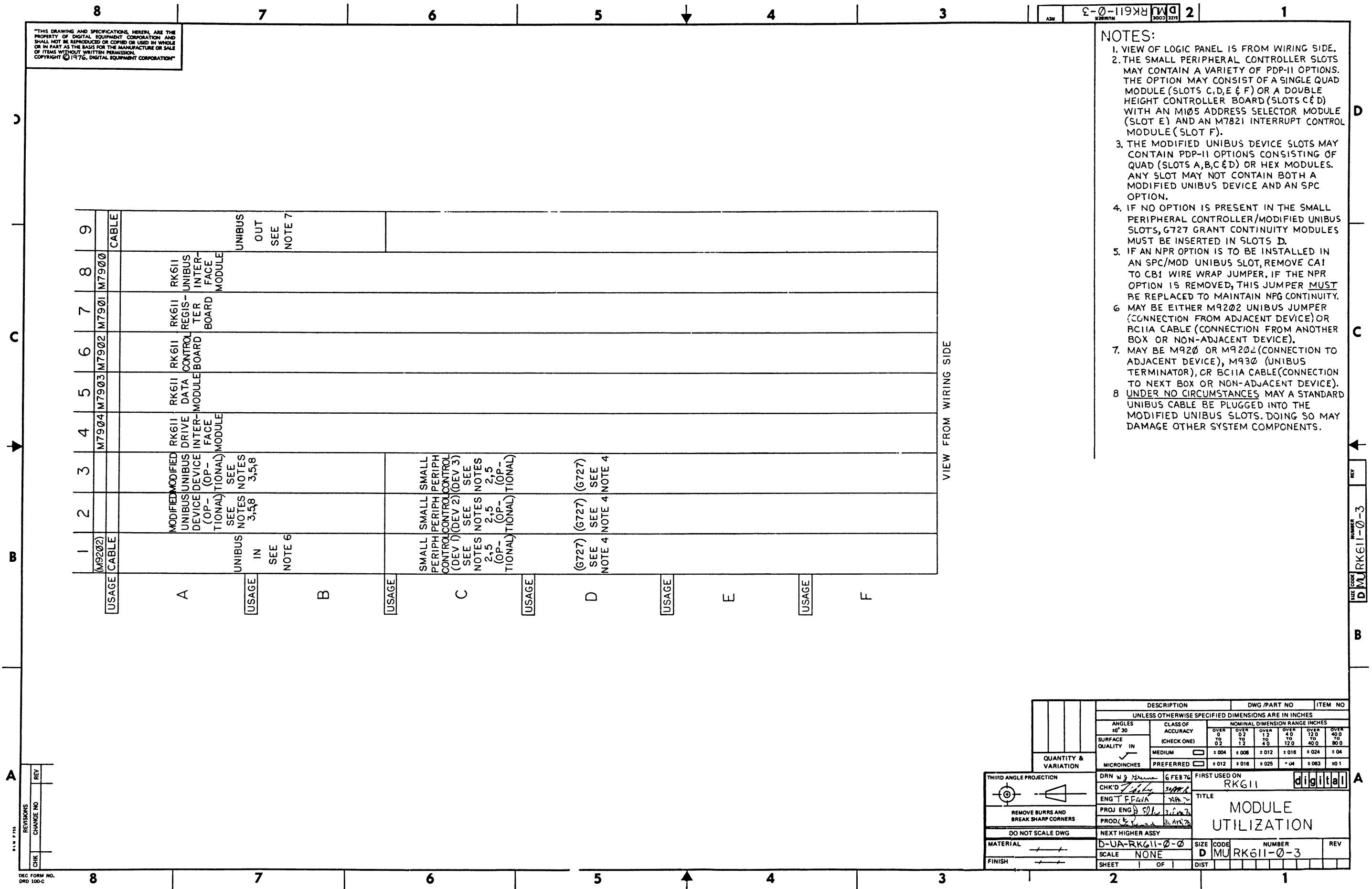
RK611,F RUN NAME	WRAPD ,V35(102)-1 03-JUN-77										REMARKS	18-AUG-77	15131 NC LENGTH FLAG	PAGE 39 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	RG	Y	X	Z				
UB5 CONTR ERROR H		B05B1		1-01 *							1		1-6/8		347
UB5 CONTR ERROR H		B06F2		1-02 *							2		10-1/8		347
UB5 CONTR ERROR H		E08V2		1-03 *											347
UB5 CONTR ERROR H				1									11-7/8		347
UB6 A01 IN L		E06K2		1-01 *							1		3-5/8		348
UB6 A01 IN L		C05M2		1-02 *							2		1-7/8		348
UB6 A01 IN L		C07S2		1-03 *							1		3-6/8		348
UB6 A01 IN L		D04L2		1-04 *							2		3-3/8		348
UB6 A01 IN L		E08H2		1-05 *											348
UB6 A01 IN L				1									12-5/8		348
UB6 A02 IN H		E08P2		1-01 *							1		3-3/8		349
UB6 A02 IN H		F07N2		1-02 *											349
UB6 A02 IN H				1									3-3/8		349
UB6 AC LOW IN H		C04D1		1-01 *							1		3-3/8		350
UB6 AC LOW IN H		C08N1		1-02 *											350
UB6 AC LOW IN H				1									3-3/8		350
UB6 C0 IN H		C05S1		1-01 *							1		2-3/8		351
UB6 C0 IN H		C08R2		1-02 *											351
UB6 C0 IN H				1									2-3/8		351
UB7 D00 IN H		D08L2		1-01 *							2		1-3/8		352
UB7 D00 IN H		D07F1		1-02 *							1		1		352
UB7 D00 IN H		D06J1		1-03 *							2		3-3/8		352
UB7 D00 IN H		F05K2		1-04 *											352
UB7 D00 IN H				1									5-6/8		352
UB7 D01 IN H		A08S1		1-01 *							1		7-3/8		353
UB7 D01 IN H		D07F2		1-02 *							2		2-1/8		353
UB7 D01 IN H		D06T2		1-03 *							1		5-7/8		353
UB7 D01 IN H		F05N1		1-04 *											353
UB7 D01 IN H				1									15-3/8		353
UB7 D02 IN H		D08A1		1-01 *							1		8-5/8		354
UB7 D02 IN H		D07D2		1-02 *							2		2-2/8		354
UB7 D02 IN H		D06R1		1-03 *							1		5-5/8		354
UB7 D02 IN H		F05K1		1-04 *											354
UB7 D02 IN H				1									8-4/8		354
UB7 D03 IN H		D08C1		1-01 *							2		1-5/8		355
UB7 D03 IN H		D07M1		1-02 *							1		1		355
UB7 D03 IN H		D06K1		1-03 *							2		5-7/8		355
UB7 D03 IN H		F05J1		1-04 *											355
UB7 D03 IN H				1									8-4/8		355
UB7 D04 IN H		A08P1		1-01 *							2		3-7/8		356
UB7 D04 IN H		B07S1		1-02 *							1		8-5/8		356
UB7 D04 IN H		B06N1		1-03 *							2		8-1/8		356
UB7 D04 IN H		F04F2		1-04 *							1		3-1/8		356
UB7 D04 IN H		F05D1		1-05 *											356
UB7 D04 IN H				1									15-6/8		356

RK611.F RUN NAME	WRAPD .V35(102)-1 03-JUN-77										REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 40 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z				
UB7 D05 IN H		B06U2		1-01 *							1		7-7/8		357
UB7 D05 IN H		E04F1		1-02 *							2		3-7/8		357
UB7 D05 IN H		F08T2		1-03 *							1		3-1/8		357
UB7 D05 IN H		F05F1		1-04 *							2		2-5/8		357
UB7 D05 IN H		F07U1		1-05 *											357
UB7 D05 IN H				1									17-4/8		357
UB7 D06 IN H		B06R2		1-01 *							1		8-1/8		358
UB7 D06 IN H		E04F2		1-02 *							2		2-7/8		358
UB7 D06 IN H		F05A1		1-03 *							1		2-7/8		358
UB7 D06 IN H		F08M2		1-04 *							2		1-2/8		358
UB7 D06 IN H		F07T2		1-05 *											358
UB7 D06 IN H				1									15-1/8		358
UB7 D07 IN H		B06R1		1-01 *							1		7-5/8		359
UB7 D07 IN H		E04A1		1-02 *							2		4-5/8		359
UB7 D07 IN H		F05F2		1-03 *							1		1-2/8		359
UB7 D07 IN H		F07K1		1-04 *							2		1-3/8		359
UB7 D07 IN H		F08P2		1-05 *											359
UB7 D07 IN H				1									14-7/8		359
UB7 D08 IN H		B06B1		1-01 *							2		1-2/8		360
UB7 D08 IN H		B07H1		1-02 *							1		8-7/8		360
UB7 D08 IN H		E08F2		1-03 *							2		2-7/8		360
UB7 D08 IN H		F04D1		1-04 *							1		5-3/8		360
UB7 D08 IN H		F05U2		1-05 *											360
UB7 D08 IN H				1									18-3/8		360
UB7 D09 IN H		B06L1		1-01 *							1		1		361
UB7 D09 IN H		B07J1		1-02 *							2		7-7/8		361
UB7 D09 IN H		E08C1		1-03 *							1		2-5/8		361
UB7 D09 IN H		E04E1		1-04 *							2		5-3/8		361
UB7 D09 IN H		F05V1		1-05 *											361
UB7 D09 IN H				1									16-7/8		361
UB7 D10 IN H		B07D1		1-01 *							1		6-3/8		362
UB7 D10 IN H		D08H1		1-02 *							2		4-3/8		362
UB7 D10 IN H		E05J1		1-03 *											362
UB7 D10 IN H				1									10-6/8		362
UB7 D11 IN H		D08H2		1-01 *							1		4-1/8		363
UB7 D11 IN H		E05F2		1-02 *							2		5-1/8		363
UB7 D11 IN H		F07S2		1-03 *											363
UB7 D11 IN H				1									9-2/8		363
UB7 D12 IN H		D08T1		1-01 *							1		4-3/8		364
UB7 D12 IN H		E05N2		1-02 *							2		4-5/8		364
UB7 D12 IN H		F07U2		1-03 *											364
UB7 D12 IN H				1									9-0/8		364
UB7 D13 IN H		L08F1		1-01 *							1		4-5/8		365
UB7 D13 IN H		E05L2		1-02 *							2		5-1/8		365
UB7 D13 IN H		F07V2		1-03 *											365
UB7 D13 IN H				1									9-6/8		365

RK611.F RUN NAME	WRAPD .V35(102)-1 03-JUN-77										REMARKS	18-Aug-77	15:31 NC LENGTH FLAG	PAGE 41 EXCEPTIONS	RUN NUMBER
	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z				
UB7 D14 IN H		D05S2		1-01 *							2		2-3/8		366
UB7 D14 IN H		D08M2		1-02 *							1		6-3/8		366
UB7 D14 IN H		F07R2		1-03 *											366
UB7 D14 IN H				1									8-6/8		366
UB7 D15 IN H		D05T2		1-01 *							1		4-7/8		367
UB7 D15 IN H		F08A1		1-02 *							2		2-1/8		367
UB7 D15 IN H		F07P2		1-03 *											367
UB7 D15 IN H				1									7-0/8		367
UB7 D16 IN H		B07V1		1-01 *							2		2-5/8		368
UB7 D16 IN H		C08P1		1-02 *							1		6-7/8		368
UB7 D16 IN H		E05M1		1-03 *											368
UB7 D16 IN H				1									9-4/8		368
UB7 D17 IN H		B07F1		1-01 *							2		2-7/8		369
UB7 D17 IN H		C08N1		1-02 *							1		8-1/8		369
UB7 D17 IN H		F05M2		1-03 *											369
UB7 D17 IN H				1									11-0/8		369
UB7 DC LOW IN H		C04E1		1-01 *							1		2-5/8		370
UB7 DC LOW IN H		C08F1		1-02 *											370
UB7 DC LOW IN H				1									2-5/8		370
UB7 NPC GATE DATA H		B05D1		1-01 *							1		12-7/8		371
UB7 NPC GATE DATA H		F08J1		1-02 *											371
UB7 NPC GATE DATA H				1									12-7/8		371

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DRA 123



- NOTES:
- 1. VIEW OF LOGIC PANEL IS FROM WIRING SIDE.
 - 2. THE SMALL PERIPHERAL CONTROLLER SLOTS MAY CONTAIN A VARIETY OF PDP-11 OPTIONS. THE OPTION MAY CONSIST OF A SINGLE QUAD MODULE (SLOTS C,D,E & F) OR A DOUBLE HEIGHT CONTROLLER BOARD (SLOTS C&D) WITH AN M105 ADDRESS SELECTOR MODULE (SLOT E) AND AN M7821 INTERRUPT CONTROL MODULE (SLOT F).
 - 3. THE MODIFIED UNIBUS DEVICE SLOTS MAY CONTAIN PDP-11 OPTIONS CONSISTING OF QUAD (SLOTS A,B,C&D) OR HEX MODULES. ANY SLOT MAY NOT CONTAIN BOTH A MODIFIED UNIBUS DEVICE AND AN SPC OPTION.
 - 4. IF NO OPTION IS PRESENT IN THE SMALL PERIPHERAL CONTROLLER/MODIFIED UNIBUS SLOTS, G727 GRANT CONTINUITY MODULES MUST BE INSERTED IN SLOTS D.
 - 5. IF AN NPR OPTION IS TO BE INSTALLED IN AN SPC/MOD UNIBUS SLOT, REMOVE CA1 TO CB1 WIRE WRAP JUMPER. IF THE NPR OPTION IS REMOVED, THIS JUMPER MUST BE REPLACED TO MAINTAIN NPG CONTINUITY.
 - 6. MAY BE EITHER M9202 UNIBUS JUMPER (CONNECTION FROM ADJACENT DEVICE) OR BC11A CABLE (CONNECTION FROM ANOTHER BOX OR NON-ADJACENT DEVICE).
 - 7. MAY BE M920 OR M9202 (CONNECTION TO ADJACENT DEVICE), M930 (UNIBUS TERMINATOR), OR BC11A CABLE (CONNECTION TO NEXT BOX OR NON-ADJACENT DEVICE).
 - 8. UNDER NO CIRCUMSTANCES MAY A STANDARD UNIBUS CABLE BE PLUGGED INTO THE MODIFIED UNIBUS SLOTS. DOING SO MAY DAMAGE OTHER SYSTEM COMPONENTS.

VIEW FROM WIRING SIDE

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REVISIONS	
CHK	CHANGE NO

	DESCRIPTION		DWG / PART NO	ITEM NO		
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
	ANGLES 30° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES			
	SURFACE QUALITY IN MICROINCHES	MEDIUM ☐ ± .004 PREFERRED ☐ ± .012	OVER 0 TO 0.2	OVER 0.2 TO 1.2		
QUANTITY & VARIATION		OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0		
THIRD ANGLE PROJECTION		OVER 40.0 TO 80.0	FIRST USED ON			
REMOVE BURRS AND BREAK SHARP CORNERS		TITLE				
DO NOT SCALE DWG		MODULE UTILIZATION				
MATERIAL		D-UA-RK611-0-0	SIZE CODE	NUMBER		
FINISH		SCALE NONE	D MURK611-0-3	REV		
		SHEET	OF	DIST		

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES THE
CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY
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O O O O O O O O O O K L M N P R S T U V
A B C D E F H J

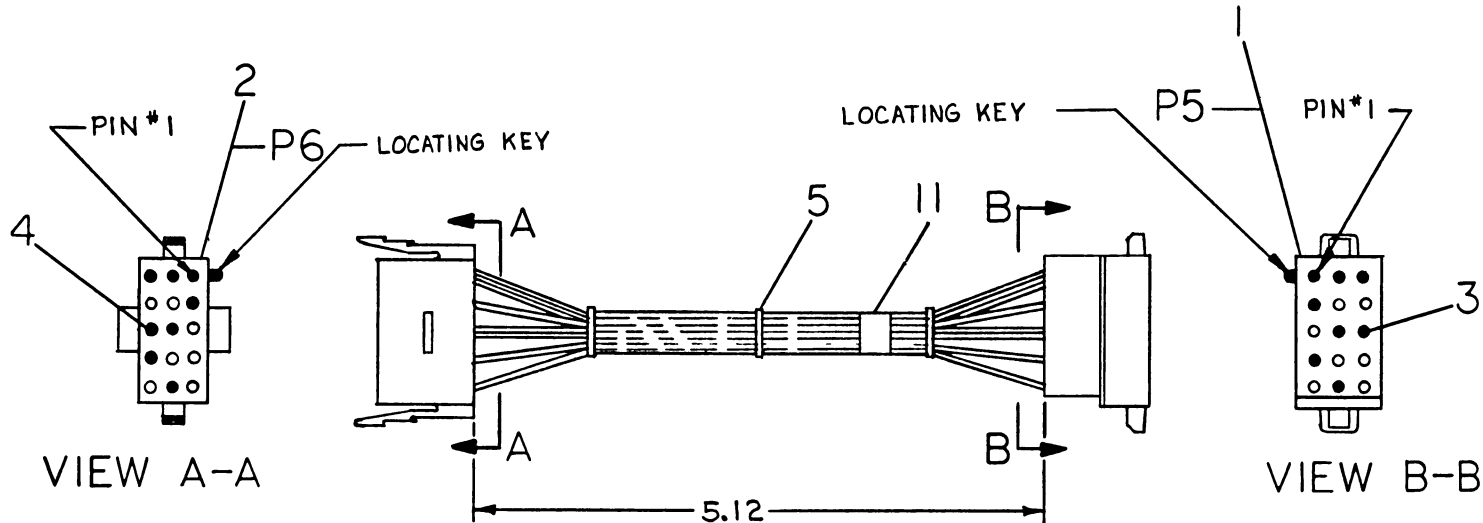
REV	NUMBER 6727-0-1	CS B	SIZE B
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REVISIONS	CHK	CHG NO	REV	DRN BUTLER	DATE 11-19-69	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	TITLE GRANT CONTINUITY G727								
				CHK'D	DATE	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER G727-0-1	REV					
				ENG	DATE														
				PROD	DATE														
DEC FORM NO DRB 102						PRINTED CIRCUIT REV A													

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NOTES:
1. WIRE LENGTH TOLERANCE TO BE $\pm .12$,
UNLESS OTHERWISE SPECIFIED.

WIRING TABLE								
ITEM NO	DESCRIPTION		FROM		TO		WIRE LENGTH	STRIP BACK
	AWG	COLOR	CONNECTION	WITH	CONNECTION	WITH		
9	14	RED	P5 -1	3	P6 -1	4	5.87	.156 $\pm$.030
6	18	GREY	P5 -2	3	P6 -2	4		
10	14	ORN	P5 -3	3	P6 -3	4		
9	14	RED	P5 -4	3	P6 -4	4		
7	14	BLK	P5 -8	3	P6 -8	4		
7	14	BLK	P5 -9	3	P6 -9	4		
9	14	RED	P5 -10	3	P6 -12	4		
8	14	BRN	P5 -14	3	P6 -14	4	5.87	.156 $\pm$.030

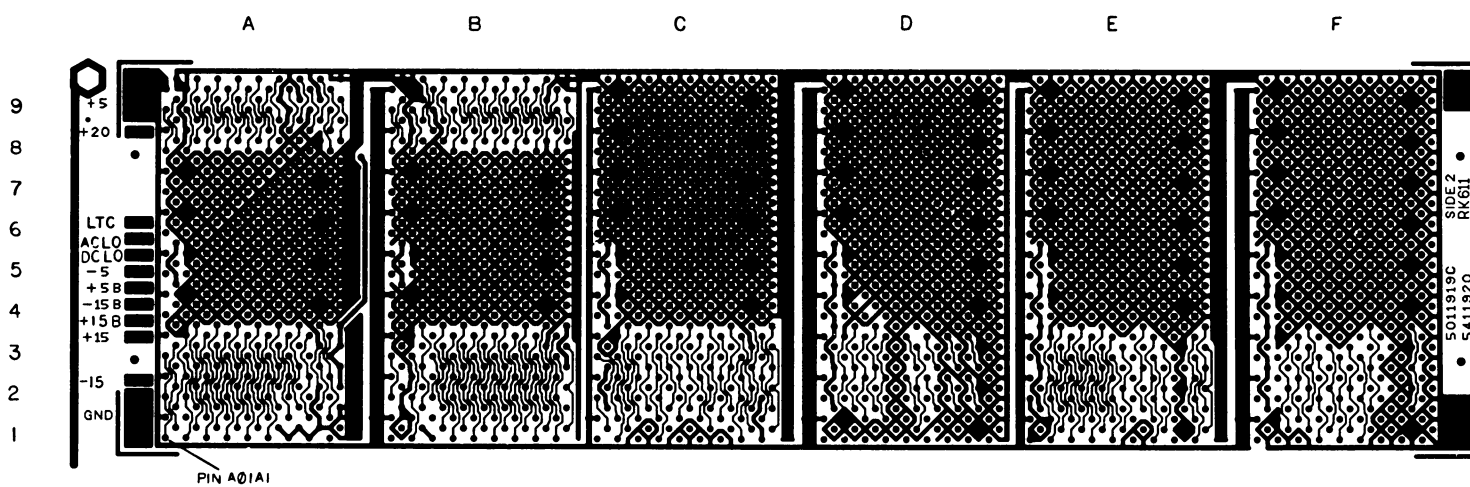
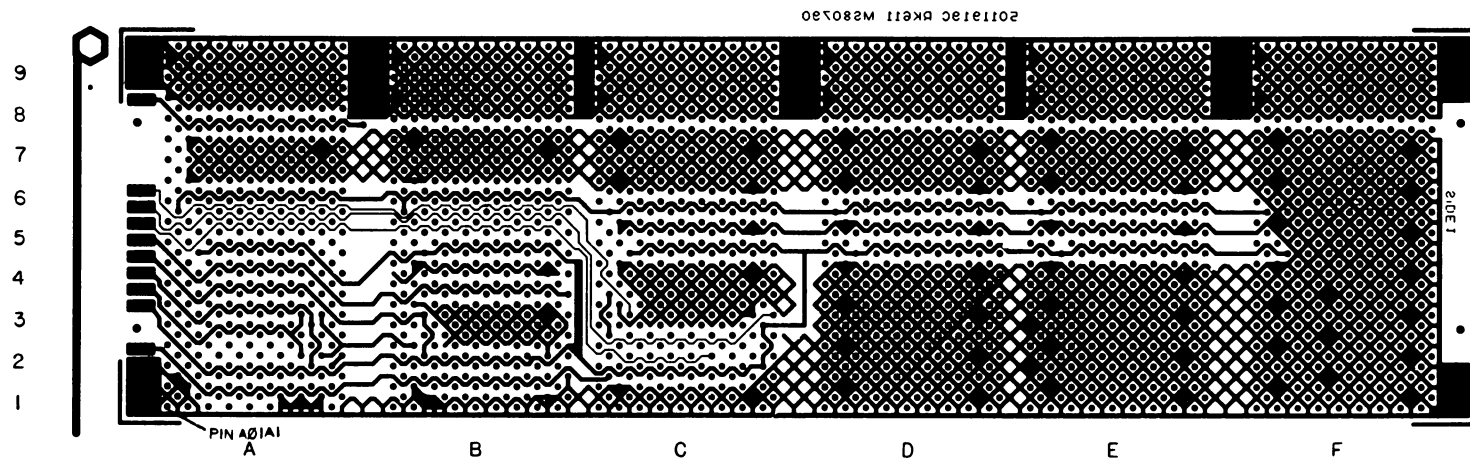


1	LABEL, IDENTIFICATION	9009532-00	11
A/R	WIRE, #14 AWG (ORN)	9107370-33	10
A/R	WIRE, #14 AWG (RED)	9107370-22	9
A/R	WIRE, #14 AWG (BRN)	9107370-11	8
A/R	WIRE, #14 AWG (BLK)	9107370-00	7
A/R	WIRE, #18 AWG (GRY)	9107360-88	6
5	TIE WRAP	9007031-00	5
8	PIN, FEMALE	1209379-00	4
8	PIN, MALE	1209378-00	3
1	CONN., 15 SOCKET	1209350-15	2
1	CONN., 15 PIN	1209351-15	1

FIRST USED ON OPTION/MODEL RK611		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		PARTS LIST			
TOLERANCES		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DECIMALS	ANGLES	TITLE CABLE, POWER EXTENSION			
.xxx = .005	$\pm 0^{\circ} 30'$	SIZE CODE C IA 7012574-0-0			
.xx = .02		NUMBER 7012574-0-0			
.x = .1		REV. B			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY $\sqrt{}$		SCALE 1/1			
MATERIAL SEE PARTS LIST		SHEET OF			
FINISH / /		DIST.			

REVISIONS		CHANGE NO	REV
CHK	DR	7012574-00001	A
T.F. FAVA		3 Nov. 76	
T.F. FAVA		11-5-76	
R. BERTHIAUME		7012574-ML002	B
R. BERTHIAUME		10-20-76	
R. BERTHIAUME		11-5-76	

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NOTES:

CHK	CHANGE NO	REV	DATE	BY
5411920	1	C	4-10-76	T. FAVA
5411920	1	C	5-7-76	T. FAVA

SIGNATURES		DATE	digital		
DRN. J. Fitch <i>W. J. Fitch</i>		5 Feb 76			
CHK'D. <i>S. Fitch</i>		19 Feb 76	TITLE		
ENG. T. FAVA		24 Feb 76			
PRJ. J. ENG. <i>S. Fitch</i>		25 Feb 76	CIRCUIT SCHEMATIC		
PROD. <i>J. Fitch</i>		27 Feb 76			
SCALE 1-1			SIZE CODE	NUMBER	REV
SHT. 1 OF 1			D CS	5411920-0-1	C
ETCH REV C FIRST USED ON					

LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1	D-CS-M7900-0-1		RK611 UNIBUS INTERFACE (C.S.)	REF	
2	2	D-AH-M7900-0-5		ASSY/DRILLING HOLE LAYOUT	REF	
3	3	B-MH-M7900-0-6		MODULE ECO HISTORY	REF	
4	4		5011481-00	M7900	1	
5	5		1000006-00	10.0 MMF 100V 5%200PPM DM15S (10-00	2	C63,C64
6	6		1000017-00	150.0 MMF 100V 5%200PPM DM15S (10-00	1	C61
7	7	SEE NOTE 48	1001610-00	.01 MFD 50V Z5U 309CER/8000PF MIN	65	C1-C60,C71-C75
8	8		1004813-00	10 MFD 20V 10% 150D S.TA (10-00	1	C62
9	9		1012084-01	8 MFD 25V 6% 30D AL EL (10-12	6	C65-C70
10	10		1211164-04	SW,DIP 1P 1A 8POS	2	SW1,SW2
11	11		1300295-00	330 1/4W 5% CC (13-00	2	R6,R8
12	12		1300005-01	R NETWORK 13-1K RESISTORS 5% DIP (13-00	2	ER1,ER2
13	13		1301874-00	5.6 K 1/4W 5% CC (13-00	2	R1,R22
14	14		1304854-00	5.11 K 1/4W 1% RN55D-F 100PPM (13-00	2	R15,R19
15	15		1300365-00	1 K 1/4W 5% CC (13-00	4	R2,R5,R14,R18
16	16		1301401-00	750 1/4W 5% CC (13-00	2	R7,R9
17	17		1302177-00	47 K 1/4W 5% CC (13-00	1	R4
18	18		1302398-00	470 K 1/4W 5% CC (13-00	1	R3
19	19		1509587-00	SE 4020 NFN 200MW SI 60120 M	1	Q1
20	20		1905575-00	7400 NAND GATE-QUAD 2IN	4	E24,E44,E52,E61
21	21		1909004-00	DEC 7402 NOR GATE-QUAD 2IN	2	E48,E50
22	22		1909606-00	7404 INVERTER GATE-HEX 1IN	2	E40,E56
23	23		1910155-00	DEC 7408 AND GATE,POS.QUAD 2IN 14	4	E39,E54,E58,E63
24	24		1905576-00	7410 NAND GATE-TRIPLE 3IN	2	E31,E60
25	25		1905577-00	7420 NAND GATE-DUAL 4INPUT	1	E5
26	26		1910878-00	7427 NOR GATE-TRIPLE 3IN	1	E47
27	27		1910091-00	DEC 7437 NAND GATE-QUAD 2IN,BUFFER 14	1	E36
28	28		1905547-00	DEC 7474 FF-D DUAL,EDGE TRIGGER,15MHZ	6	E28,E32,E41,E46,E49,E65
29	29		1910544-00	74S74 FF-D DUAL,EDGE TRIGGER	3	E59,E62,E64
30	30		1910436-00	DEC 74123 ONE SHOT-DUAL,RETRIGGERABLE	2	E45,E55

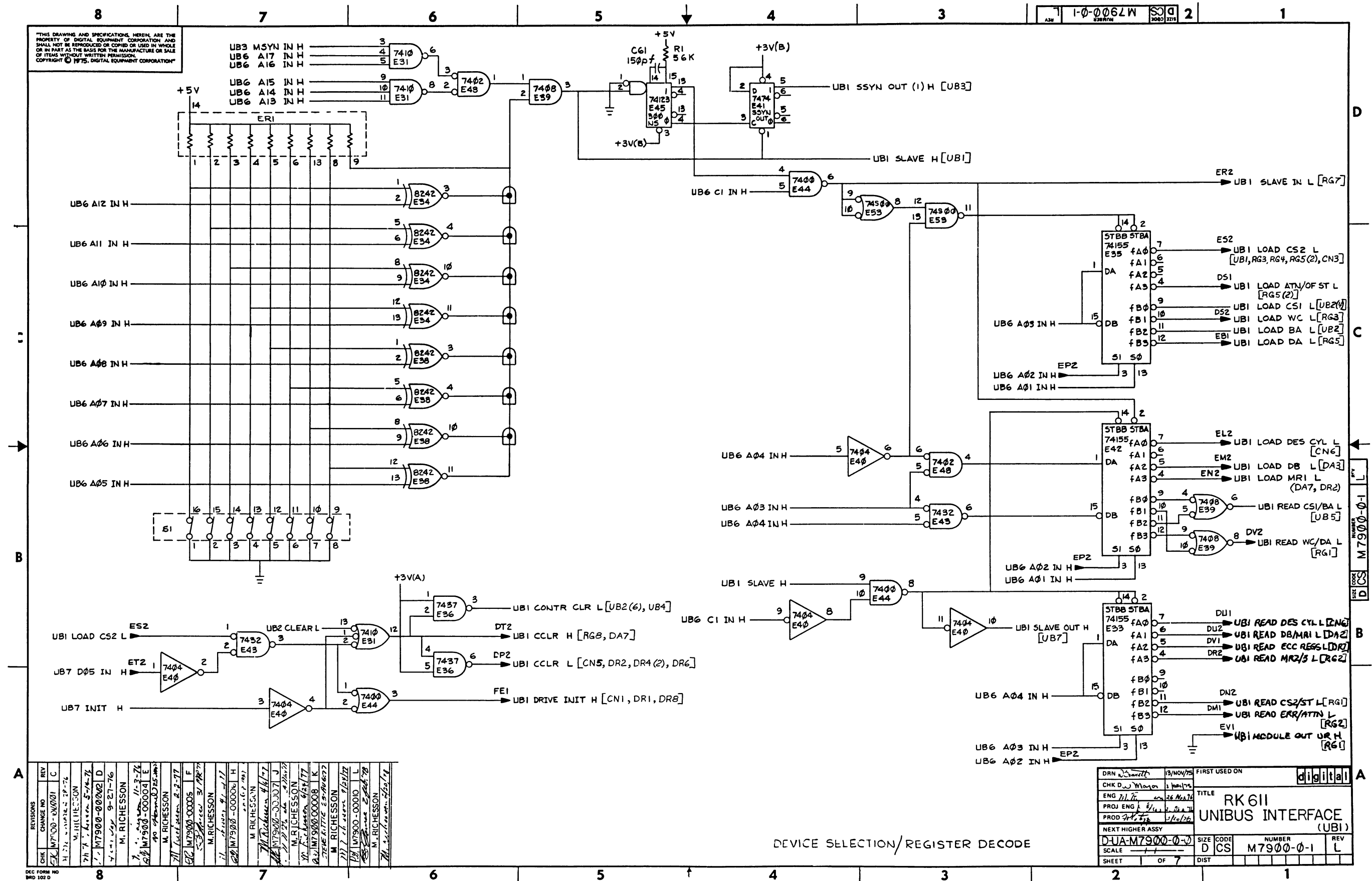
REVISION HISTORY			VARIATIONS FOR THIS ASSY.			FIRST USED ON:			DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHK	ECO NO	REV									
P.G	00010	L			00	MADE BY:	D.BENNETT	DATE:	02-FEB-78	TITLE	
										PARTS LIST	
						CHECKED:	H.DARNHJIN	DATE:	02-FEB-78	RK611 UNIBUS INTERFACE	
						DSN.ENG.:	M.RICHESSON	DATE:	02-FEB-78		
								SIZE:	CODE:	DOCUMENT NUMBER	REV
						PROD.:	F.CORTEZZE	DATE:	02-FEB-78	K PL	M7900-0-0
						RESP.ENG.:	M.RICHESSON	DATE:	02-FEB-78	ASSY.NO.:	D-UA-M7900-0-0
										EDIT#	5

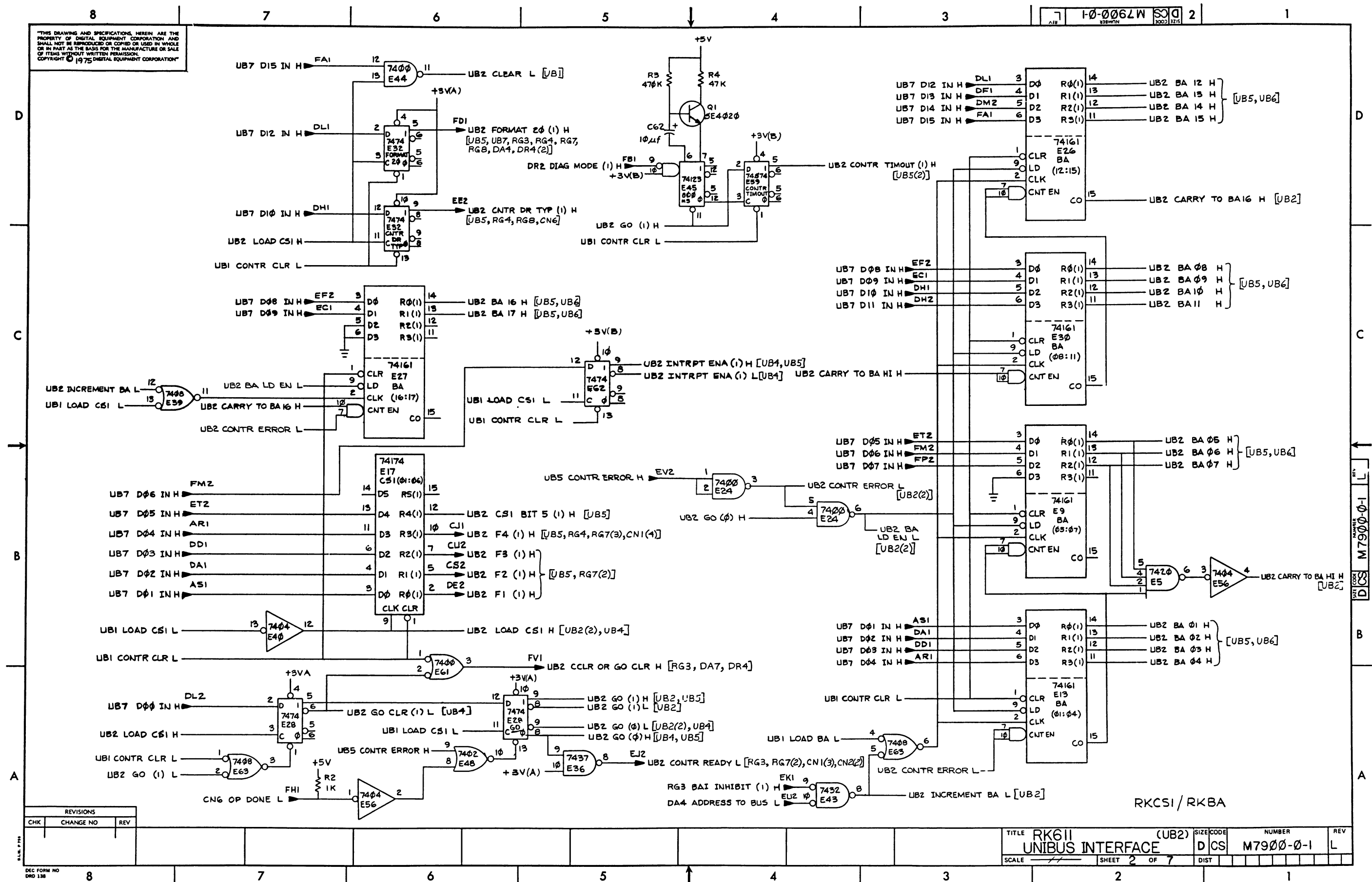
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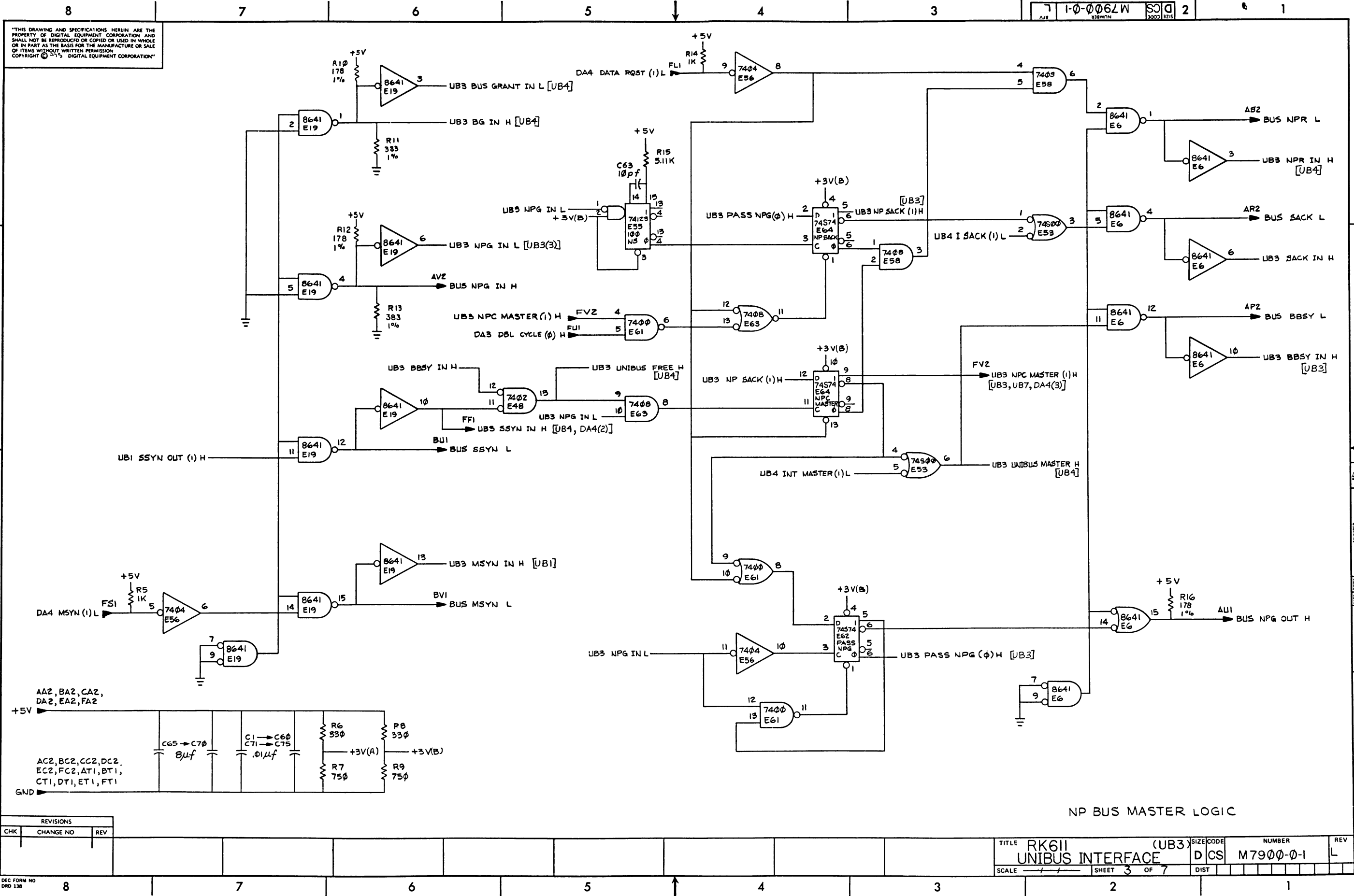
LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
31	31		1910656-00	74155 DECODER-2 OF 4(DUAL)&DEMUX	3	E33,E35,E42
32	32		1910650-00	74161 COUNTER,SYNCHR. UP	5	E9,E13,E26,E27,E30
33	33		1911521-00	7432 OR GATE-QUAD 2IN, POSITIVE	1	E43
34	34		1910652-00	74174 FF-D HEX	1	E17
35	35		1912647-00	LS257 MUX 1 OF 2 (QUAD) TRI-STA	4	E4,E12,E16,E20
36	36		1911527-00	8097 BUFFER GATE-HEX 2INPUT TRI-STA	3	E7,E8,E23
37	37		1909712-00	DEC 8242 COMPARATOR-4BIT N,OPN COLL.	2	E34,E38
38	38		1911579-00	8641 TRANSCEIVER, UNIBUS	12	E1,E2,E3,E6,E10,E11,E15,E18,
					CONT	E19,E21,E22,E25
39	39		1909705-00	DEC 8881-INAND GATE-QUAD 2IN,OPN COLL.	1	E51
40	40	SEE NOTE 50	1209838-00	SOCKET 16PIN	1	
41	41		1210711-02	HANDLE ASSY,MOD DOEHLER-JARVIS	1	
42	42	SEE NOTE 49	9000024-01	EYELET, ROLLED FLANGE, .121 OD X .196 LG	12	
43	43		1910532-00	74S00 NAND GATE-QUAD 2IN	1	E53
44	44		1311422-00	178 1/4W 1% RN55D-F 100PPM (13-00	4	R10,R12,R16,R20
45	45		1305125-00	383 1/4W 1% RN55D-F 100PPM (13-00	2	R11,R13
46	46		9105740-55	WIRE(WRAP)30AWG UL1423 (91-00 A/R		
47	47		5408778-00	PLUG PRIORITY	1	E14

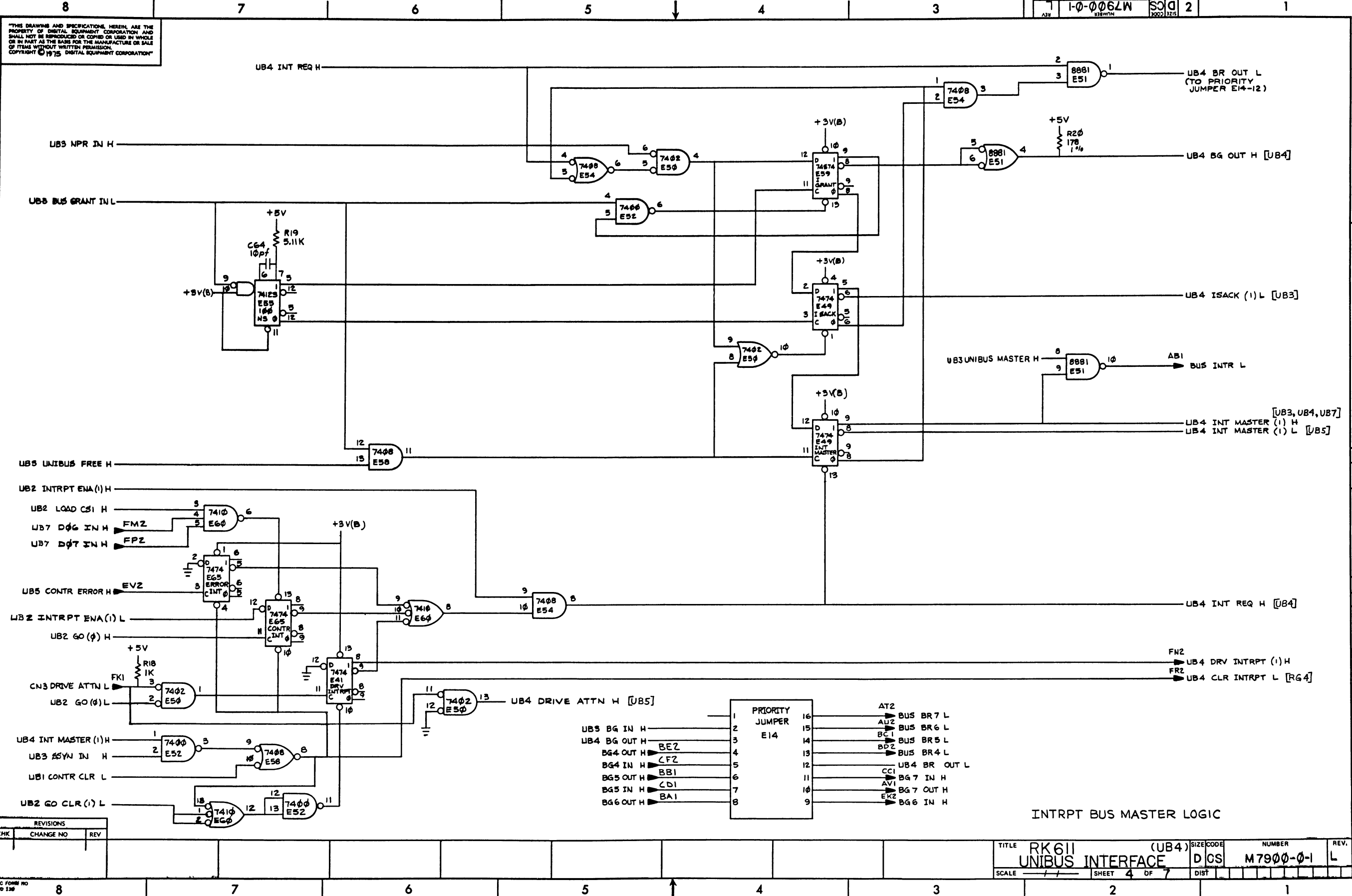
48 NOTE: 1001610-01 MAYBE SUBSTITUTED FOR 1001610-00
49 NOTE: 9006732-00 MAYBE SUBSTITUTED FOR 9000024-01 WHEN NECESSARY
50 NOTE: ITEM 40 IS USED FOR E14

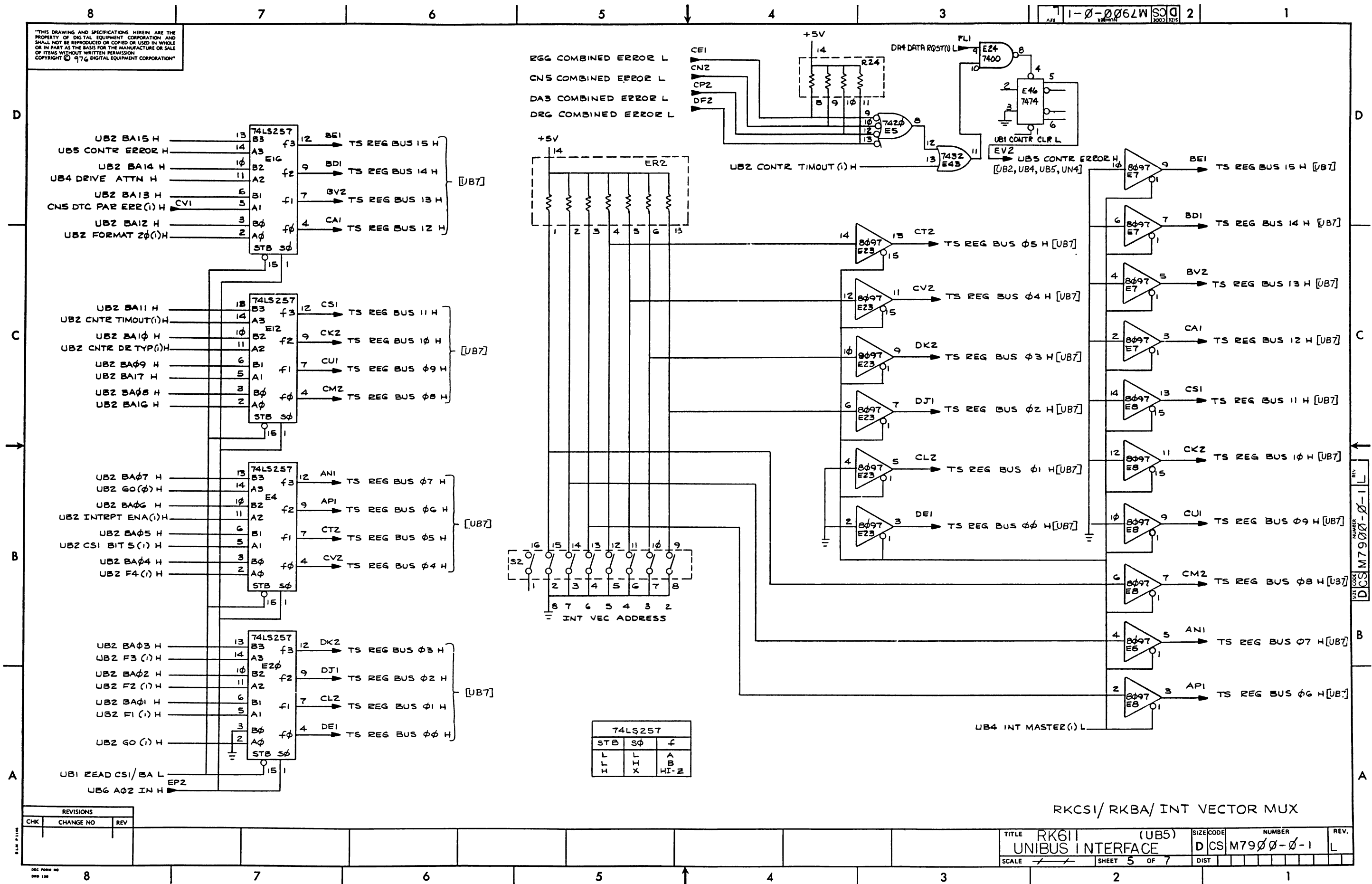
! DIGITAL EQUIPMENT CORPORATION !	! TITLE	PARTS LIST	! SIZE !	! CODE !	DOCUMENT NUMBER	! REV !
! MAYNARD, MASSACHUSETTS !		RK611 UNIBUS INTERFACE	! K !	! PL !	M7900-0-0	! L !

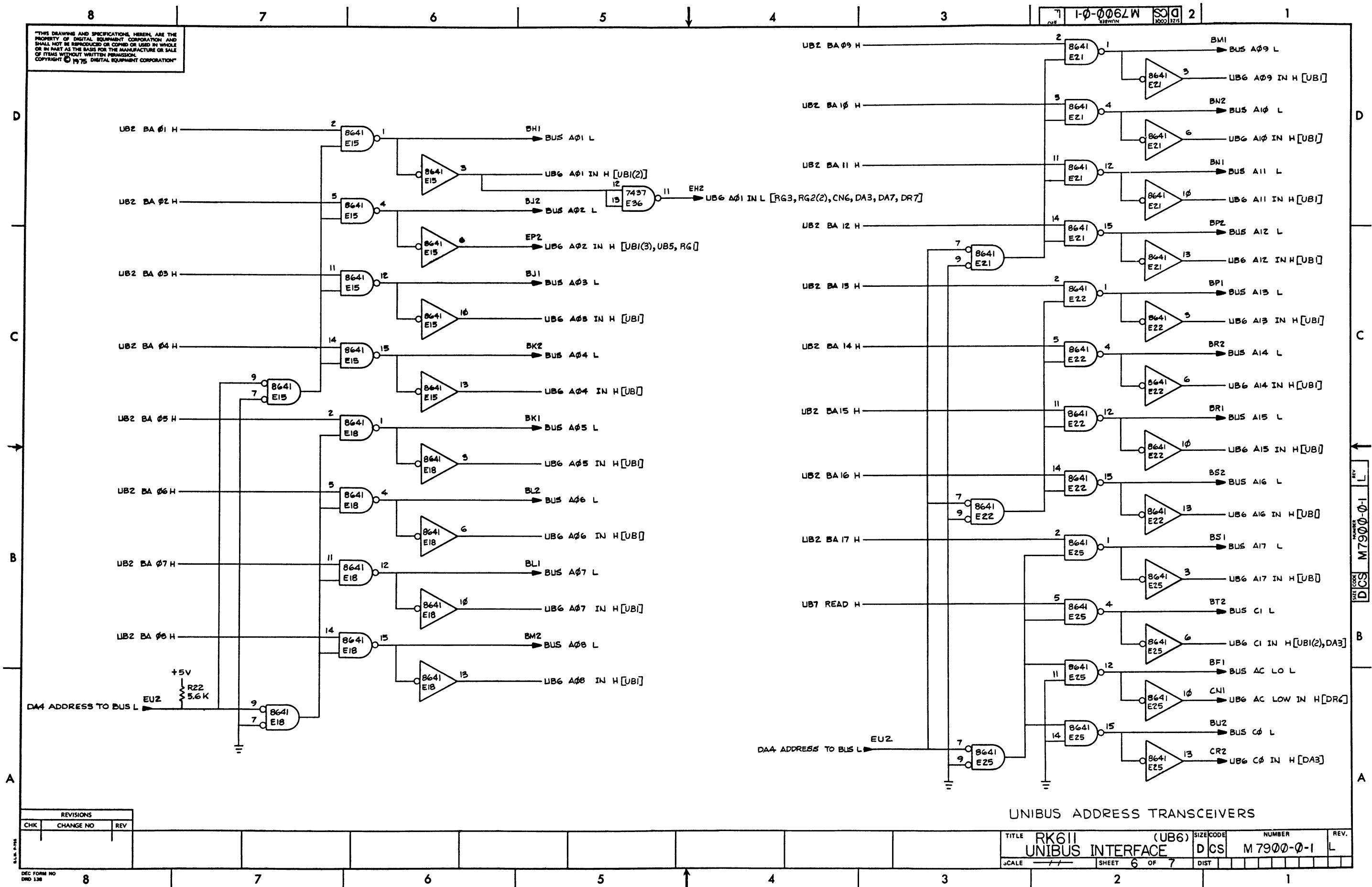


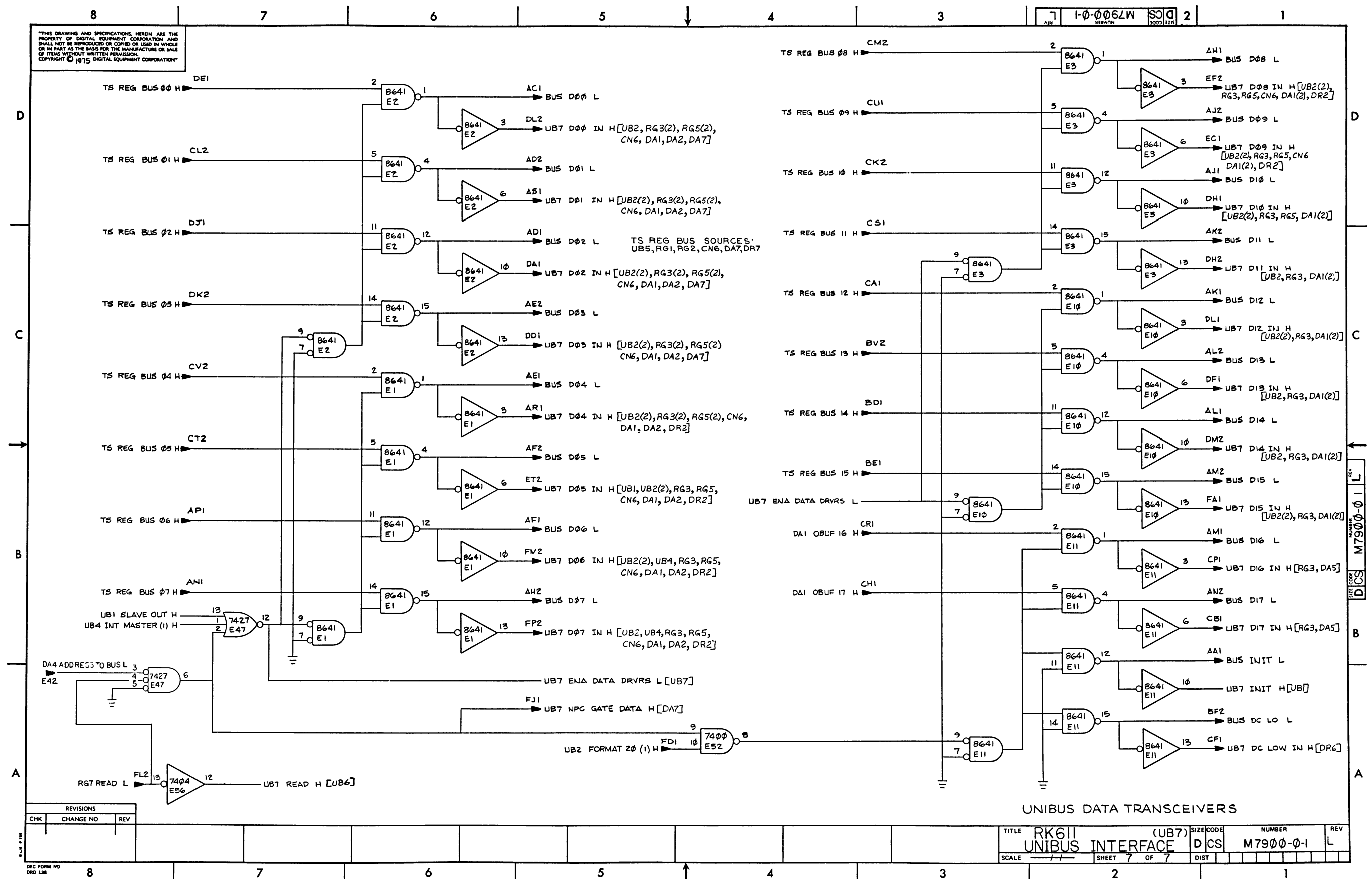


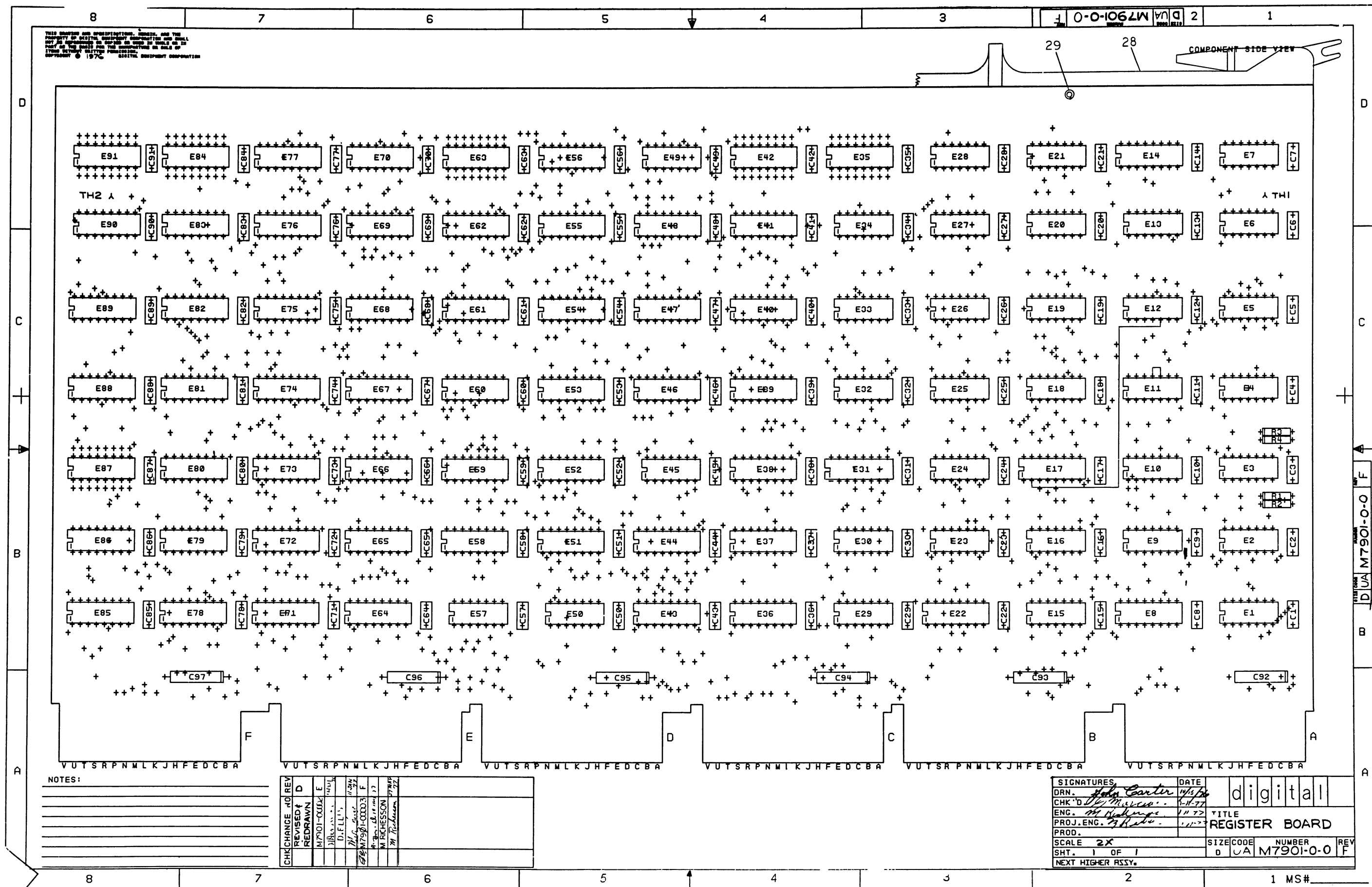






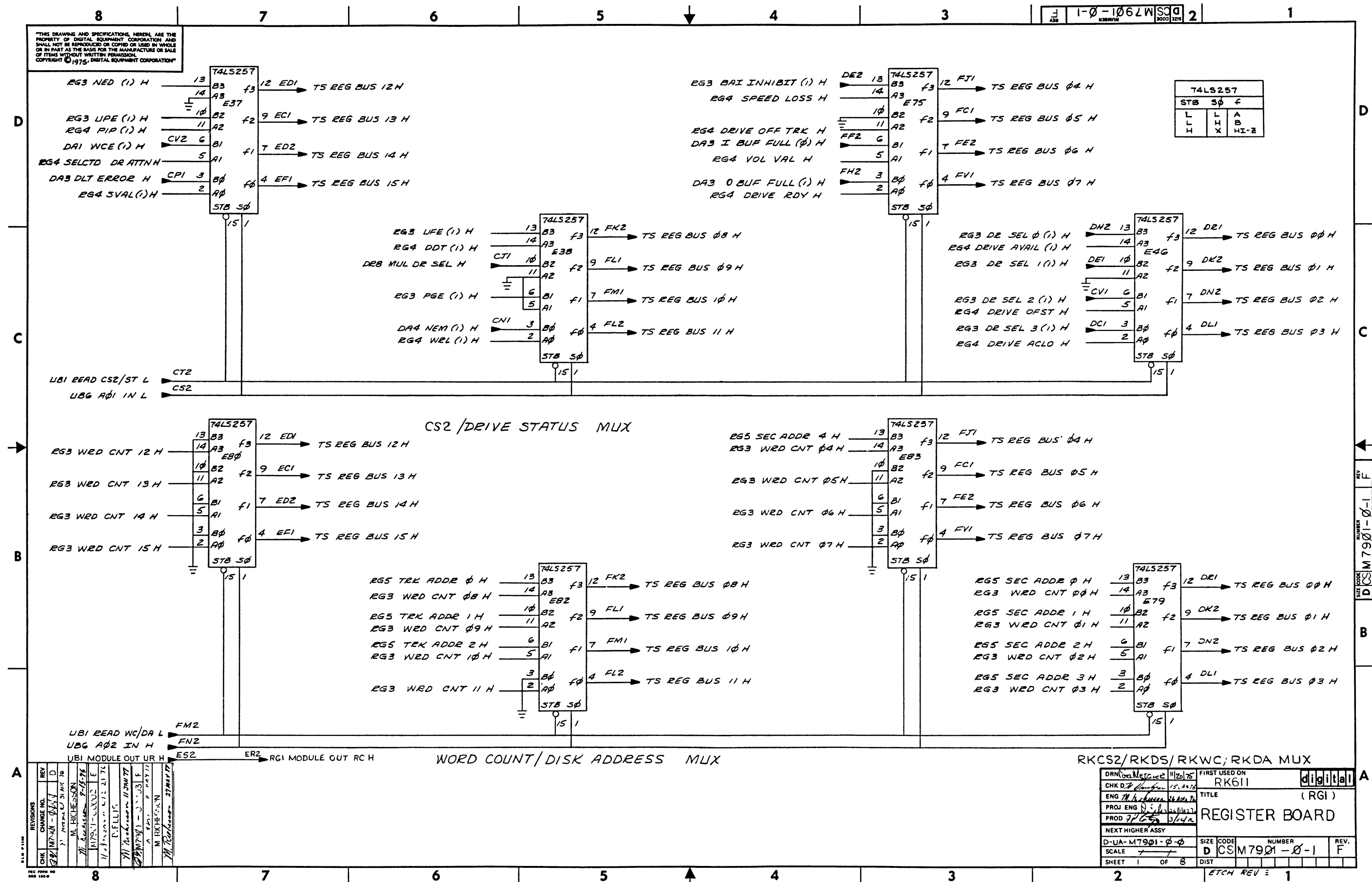


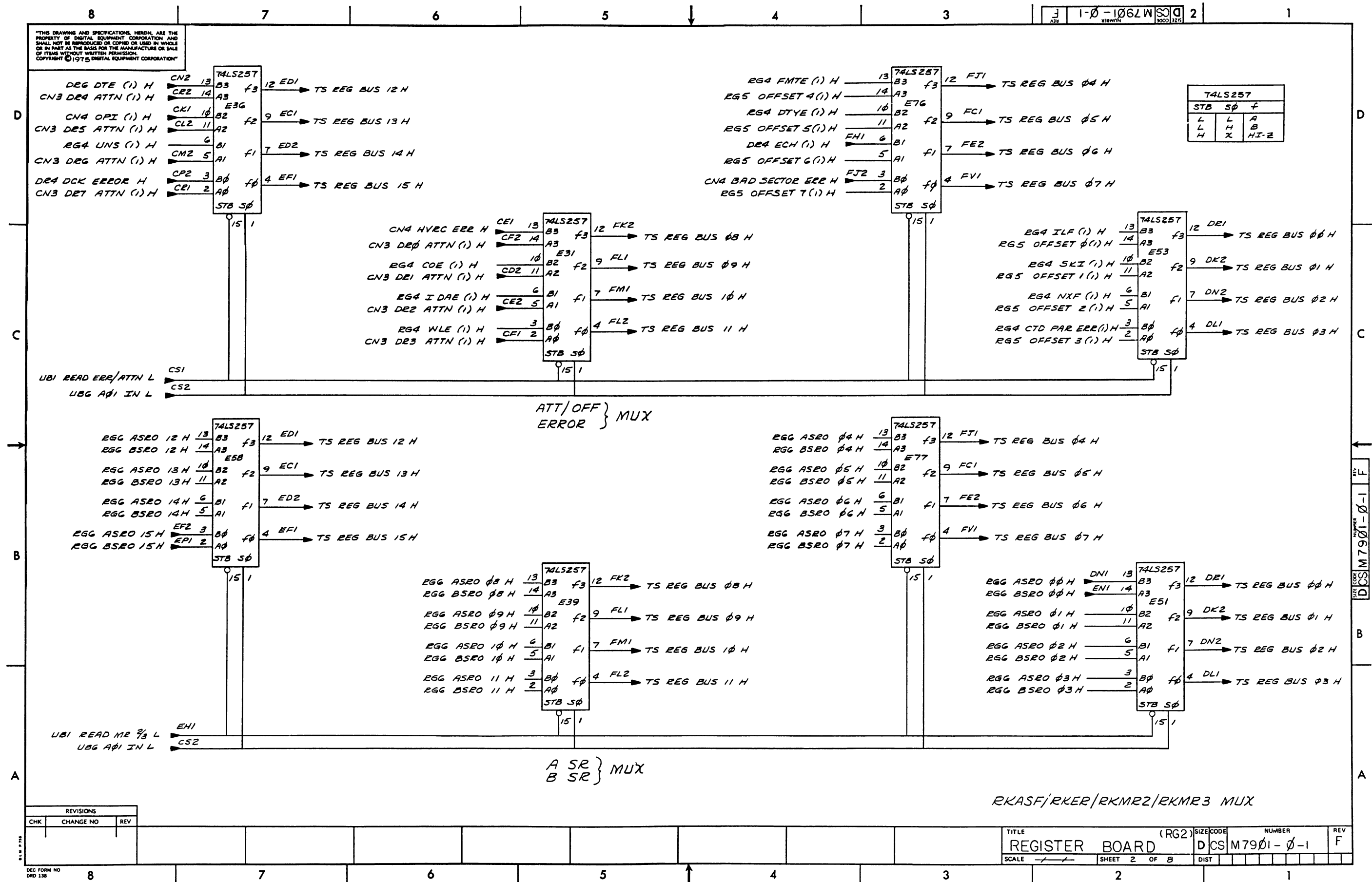


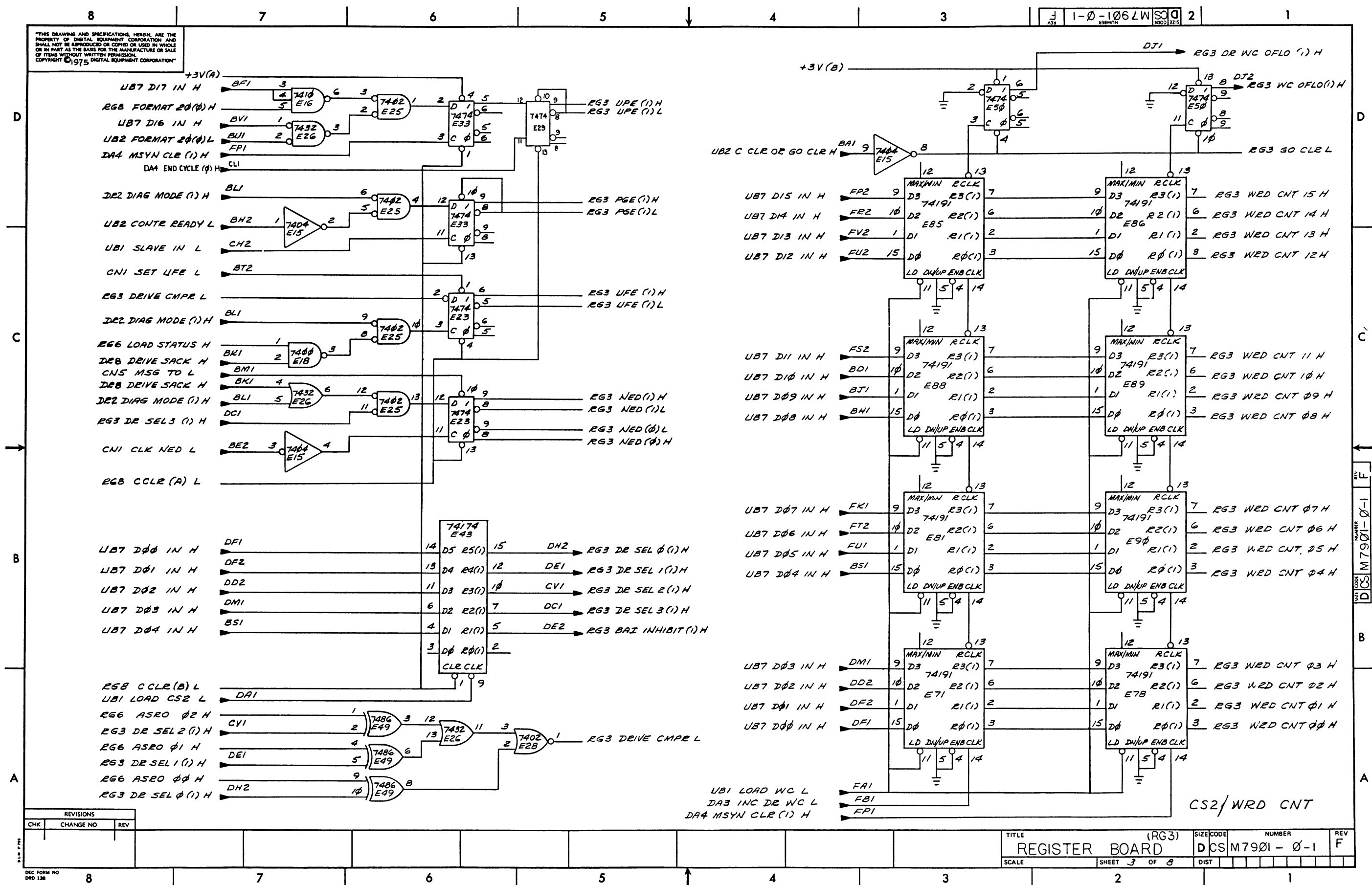


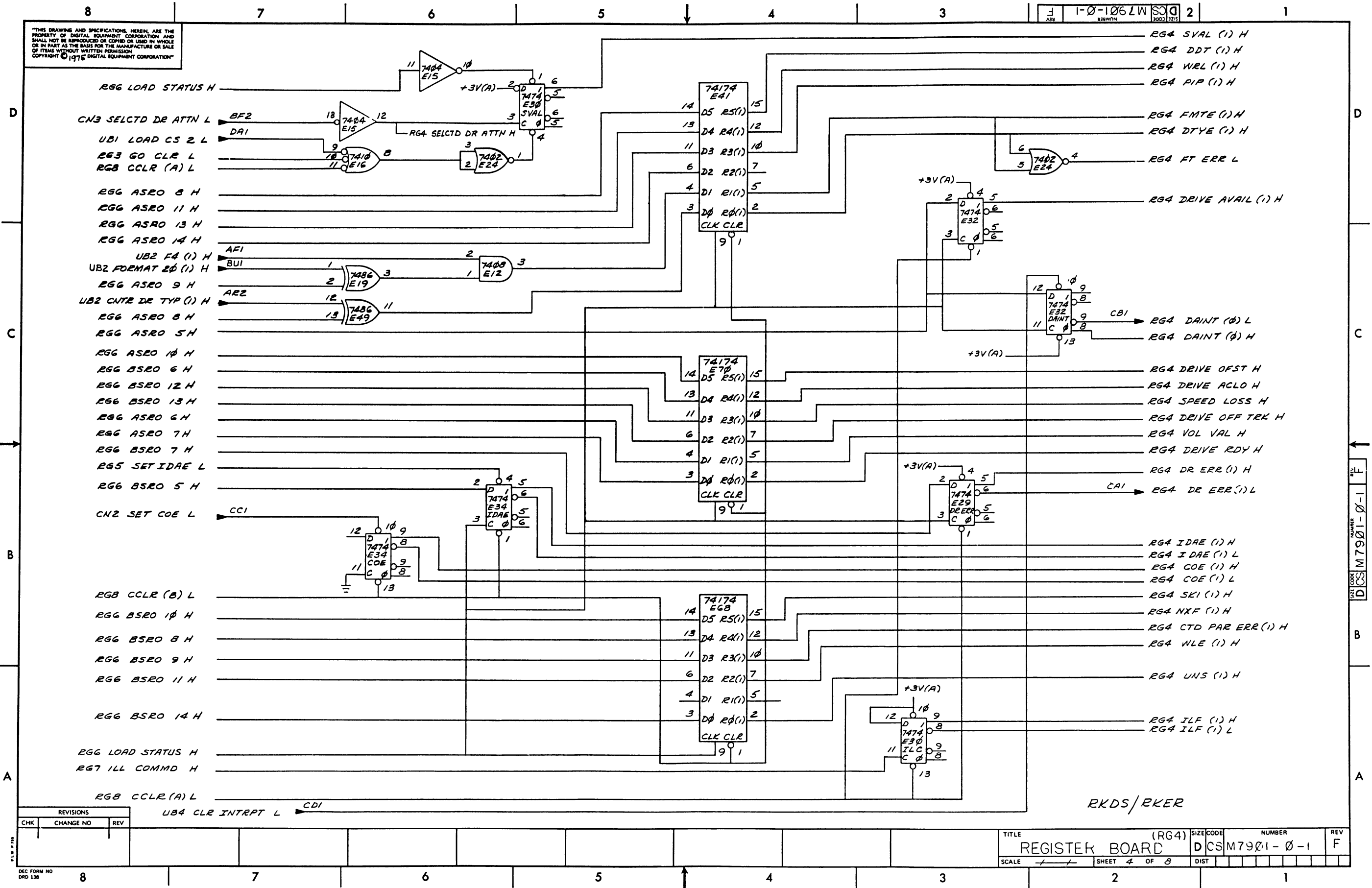
DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:			
PARTS LIST																			
MADE BY Lora Metzger		CHECKED <i>H. Danchian</i>		SECTION															
DATE 20 NOV 75		DATE 6 JAN 76																	
ENG M. Richardson		PROD J.P. Gentry		ISSUED SECTION															
DATE 26 MAR 76		DATE 3/26/76																	
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION														REF. DESIGNATION		
1	D-CS-M7901-0-1		REGISTER BOARD (C.S.)	REF															
2	D-AH-M7901-0-5		ASSY/DRILLING HOLE LAYOUT	REF															
3	B-MH-M7901-0-6		MODULE ECO HISTORY	REF															
4	5011480		ETCHED CIRCUIT BOARD	1															
5	1001610-01		CAP .01UF 200V 5% DISC	91													C1 THRU C91		
6	1012084-01		CAP 8 UF	6													C92 THRU C97		
7	1300295-00		RES 330 1/4W 5%	2													R1, R3		
8	1301401-00		RES 750 1/4W 5%	2													R2, R4		
9	1905575-00		IC 7400	4													E4,E6,E10,E18		
10	1909004-00		IC 7402	5													E21,E24,E25,E28,E7		
11	1909686-00		IC 7404	4													E2,E9,E15,E20		
12	1910155-00		IC 7408	2													E12,E45		
13	1905576-00		IC 7410	2													E11,E16		
14	1911521-00		IC 7432	3													E5,E13,E26		
15	1910091-00		IC 7437	1													E1		
16	1905547-00		IC 7474	8													E3,E23,E29,E30,E32,E33,E34,E50		
17	1905578-00		IC 7430	1													E27		
18	1910878-00		IC 7427	1													E57		
19	1910011-00		IC 7486	2													E19,E49		
E.C.O. NO. 00001 00002 00003																			
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								SHEET 1 OF 2				DIST							

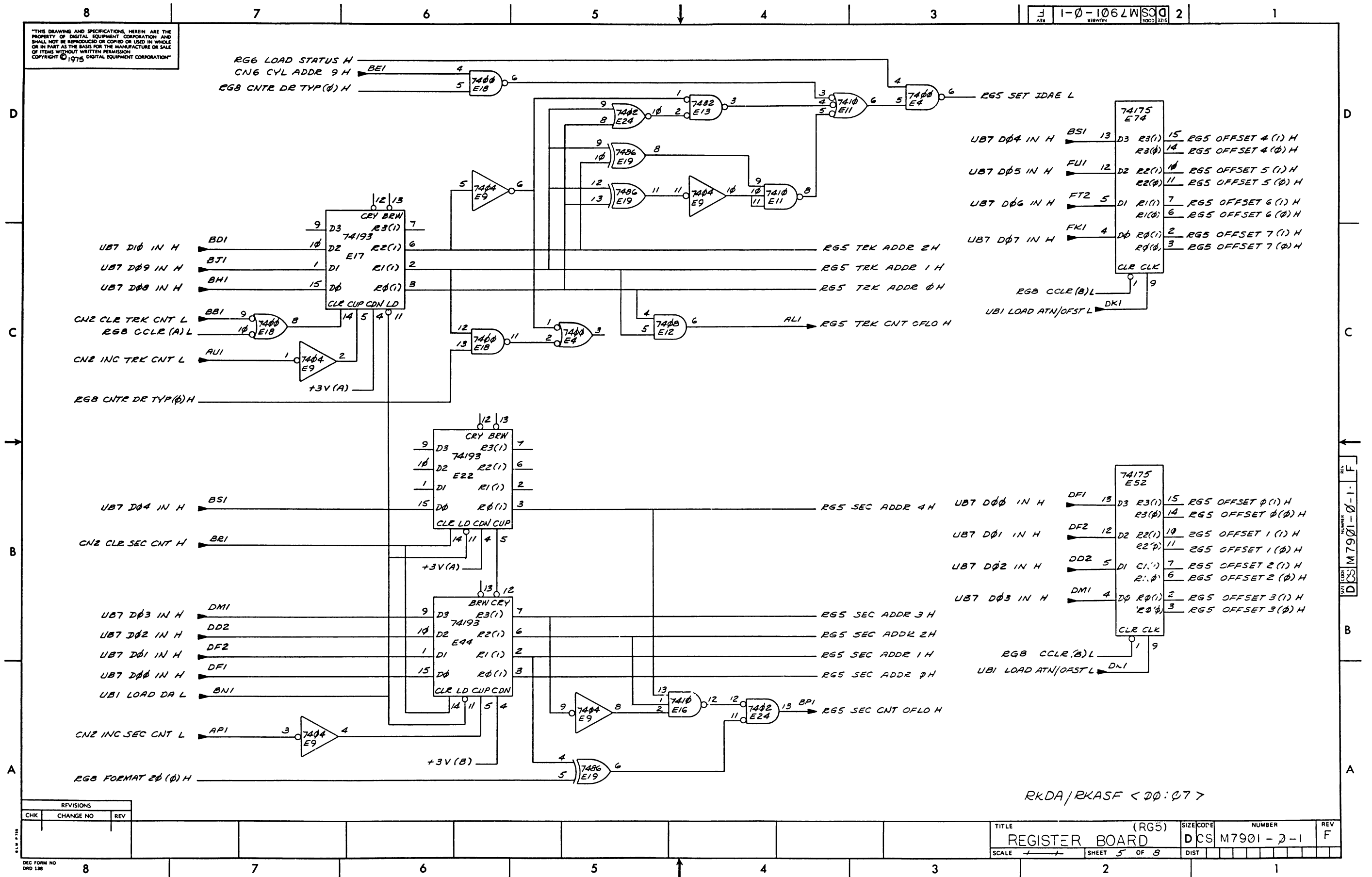
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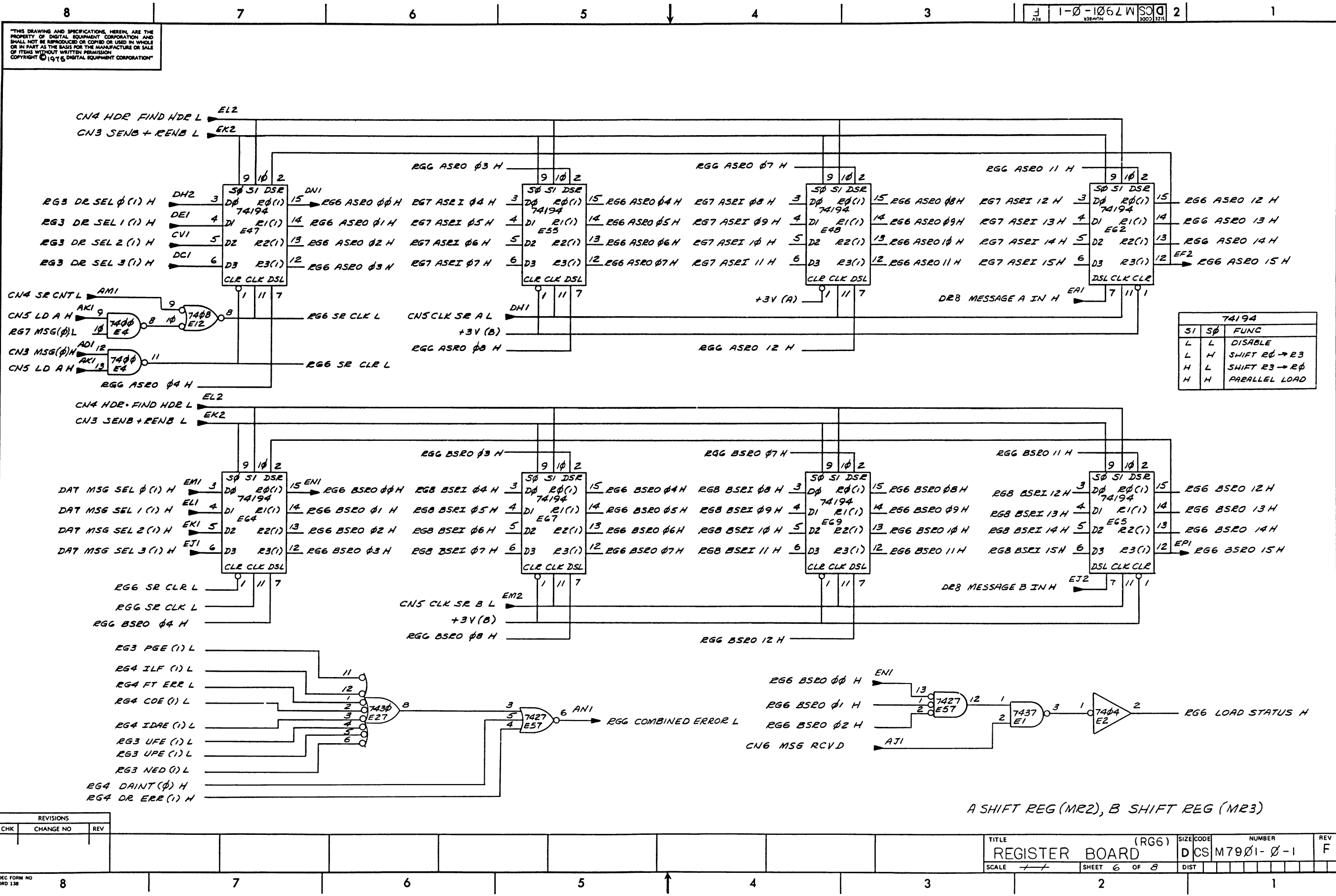








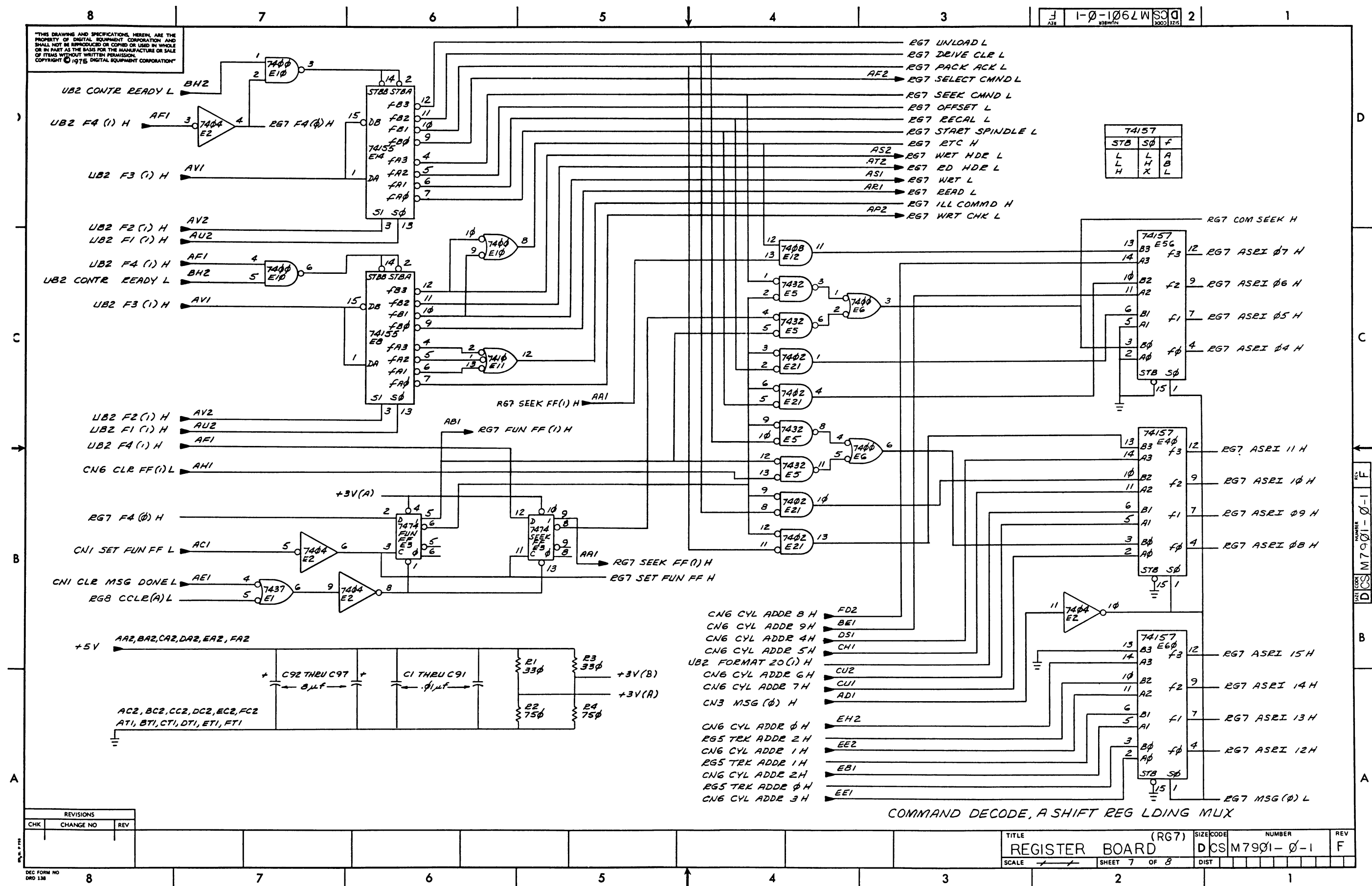


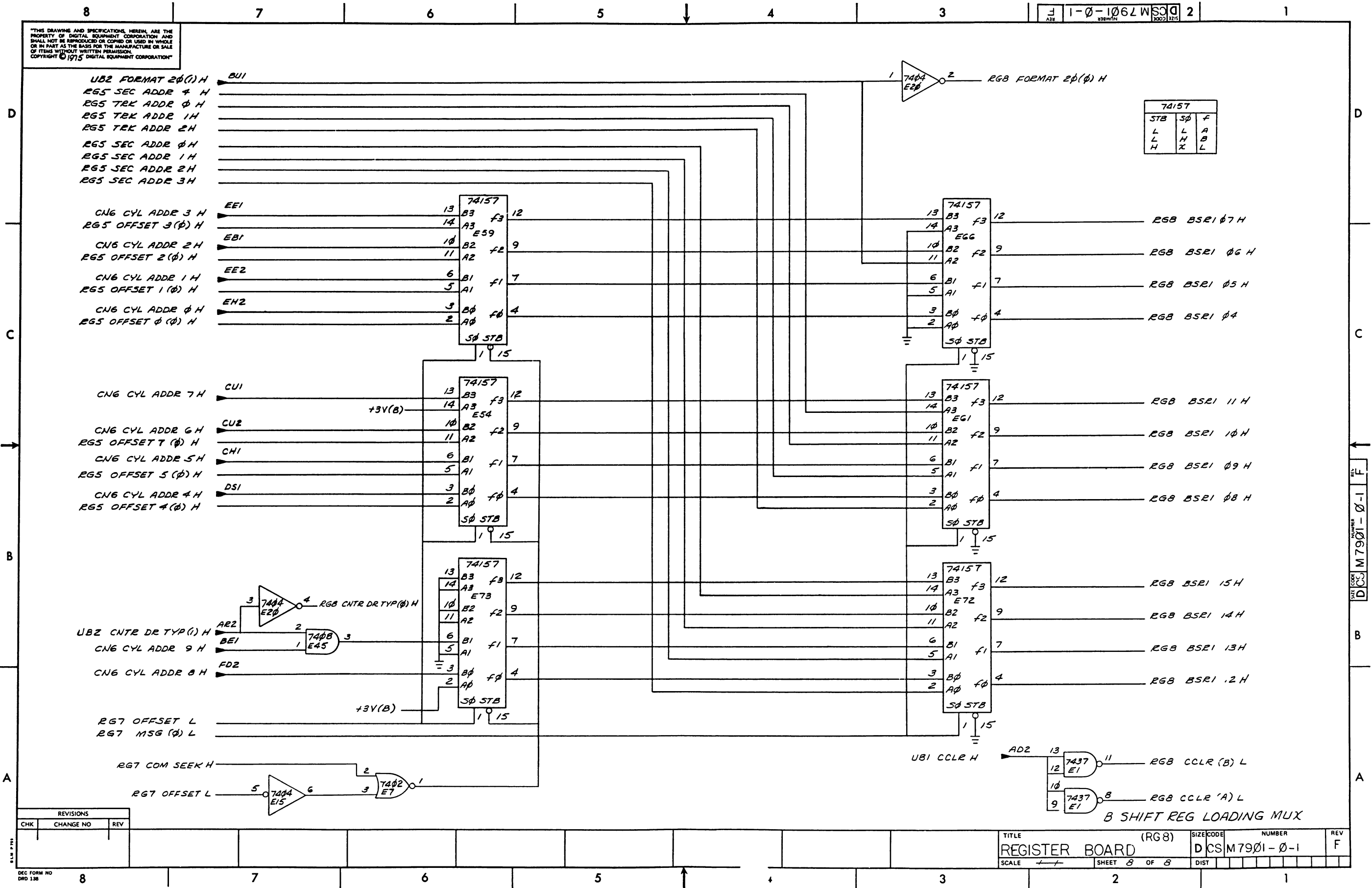


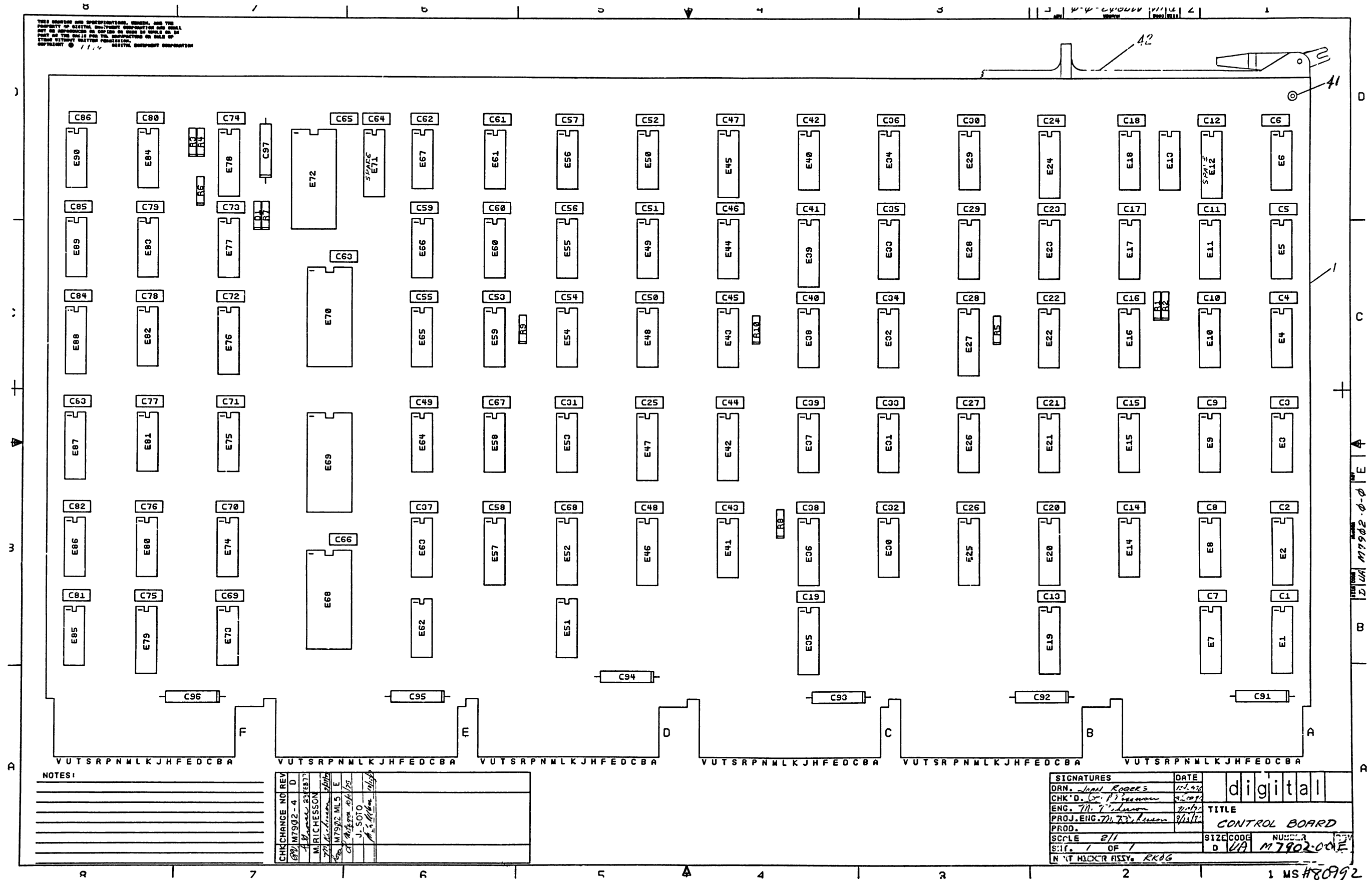
REVISIONS		
CHK	CHANGE NO	REV

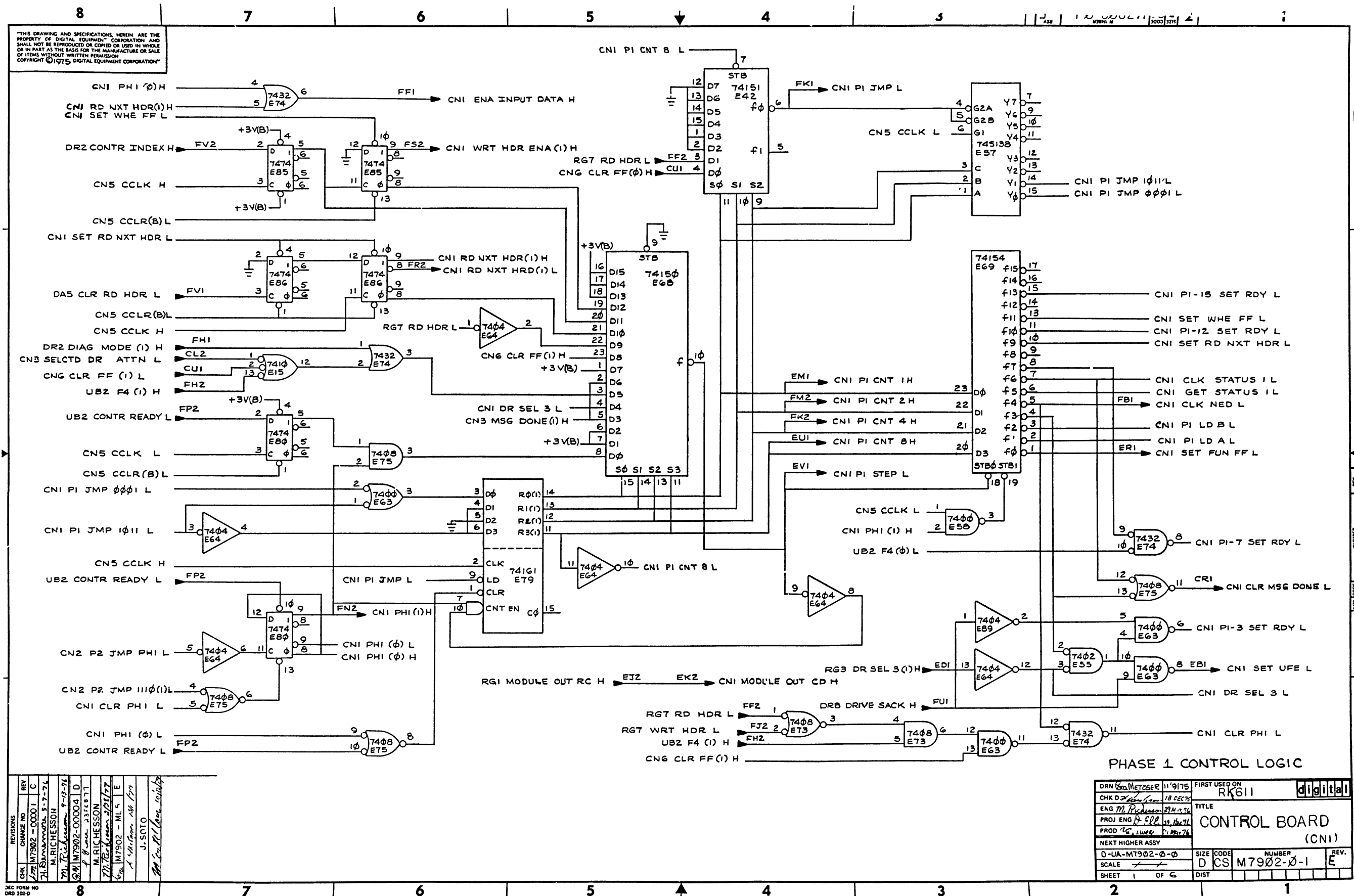
A SHIFT REG (MR2), B SHIFT REG (MR3)

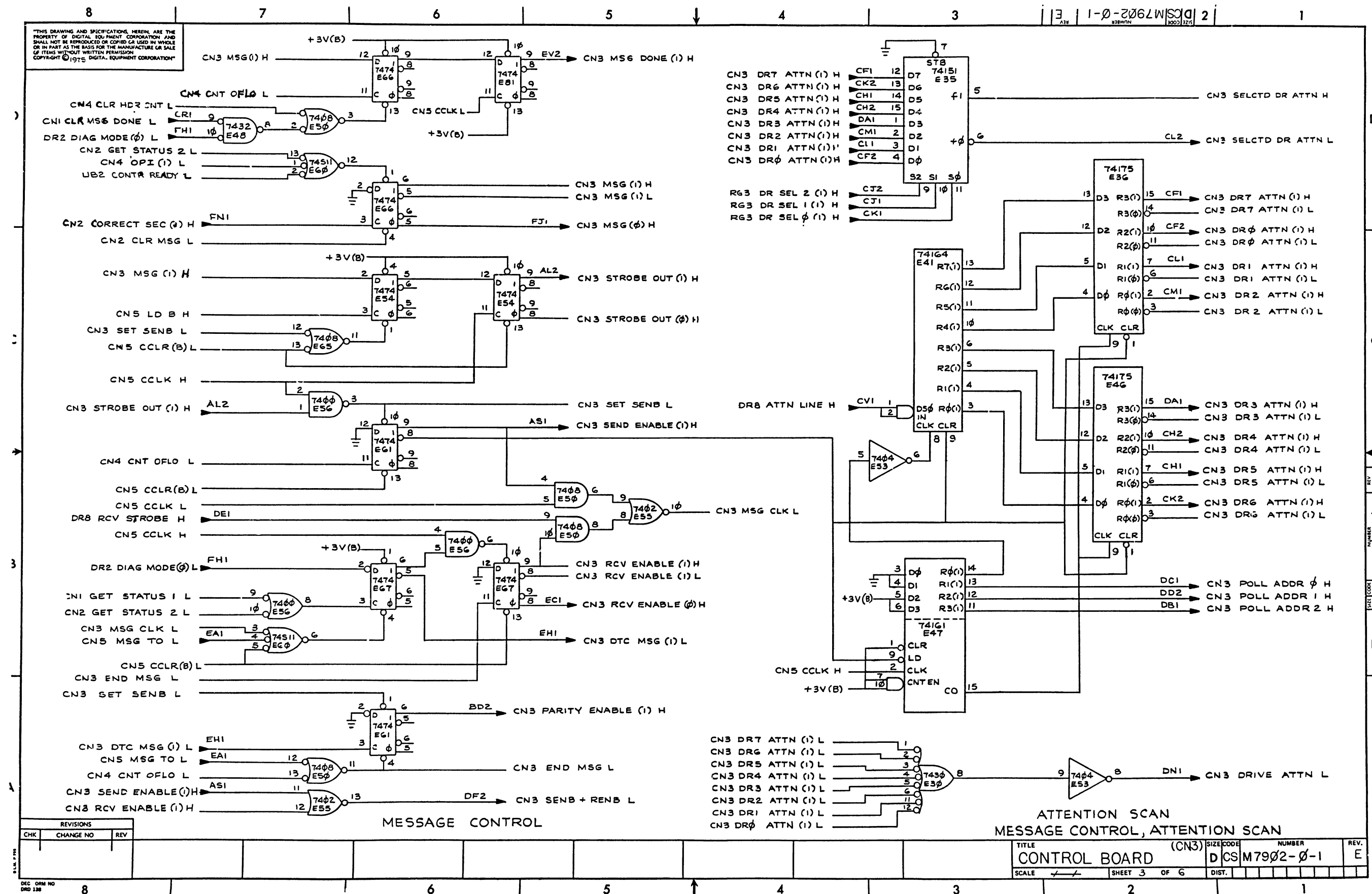
TITLE		(RG6)	SIZE	CODE	NUMBER				REV
REGISTER BOARD			D	CS	M7901-0-1				F
SCALE	1/1	SHEET	6	OF	8	DIST			

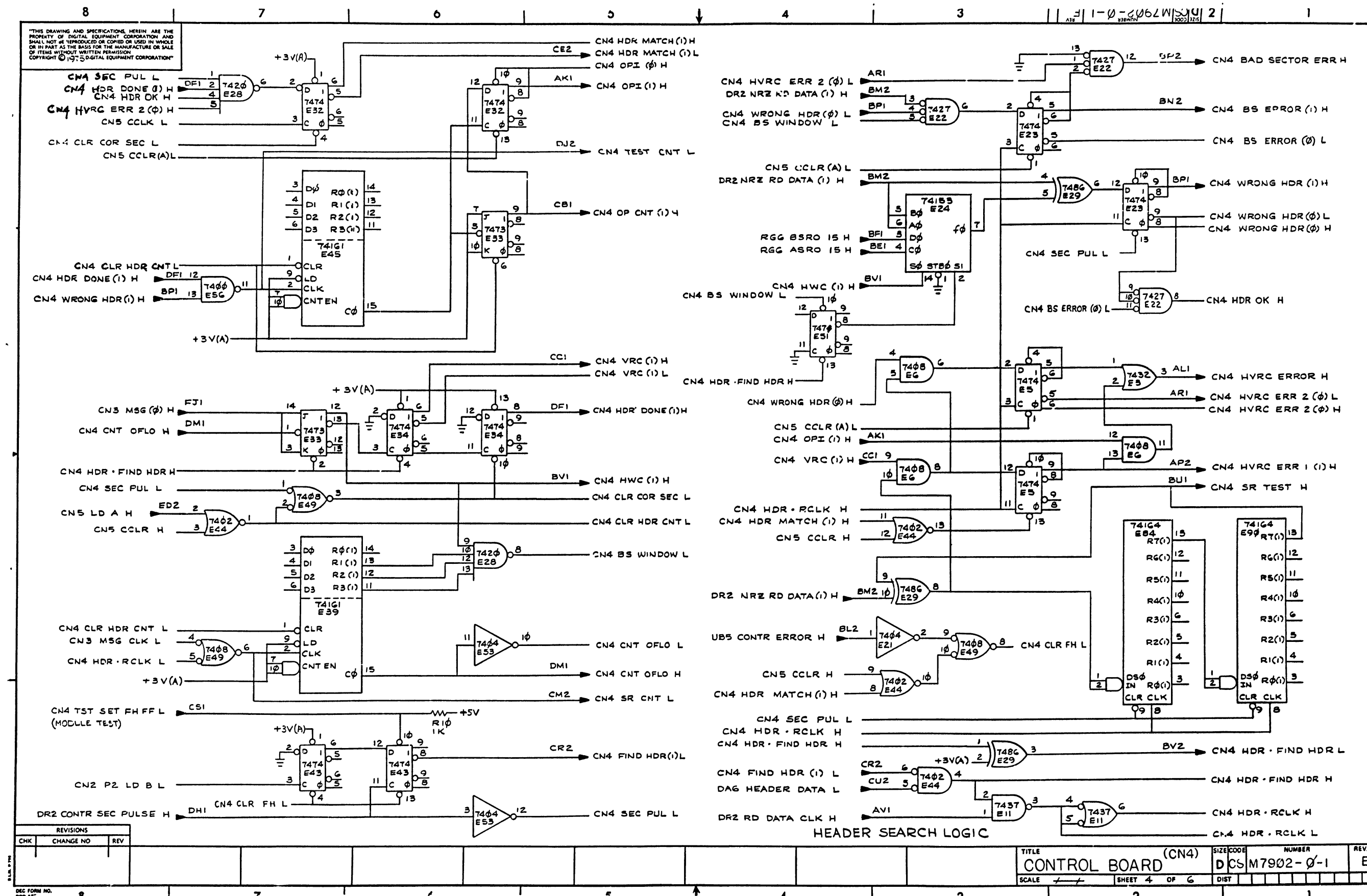




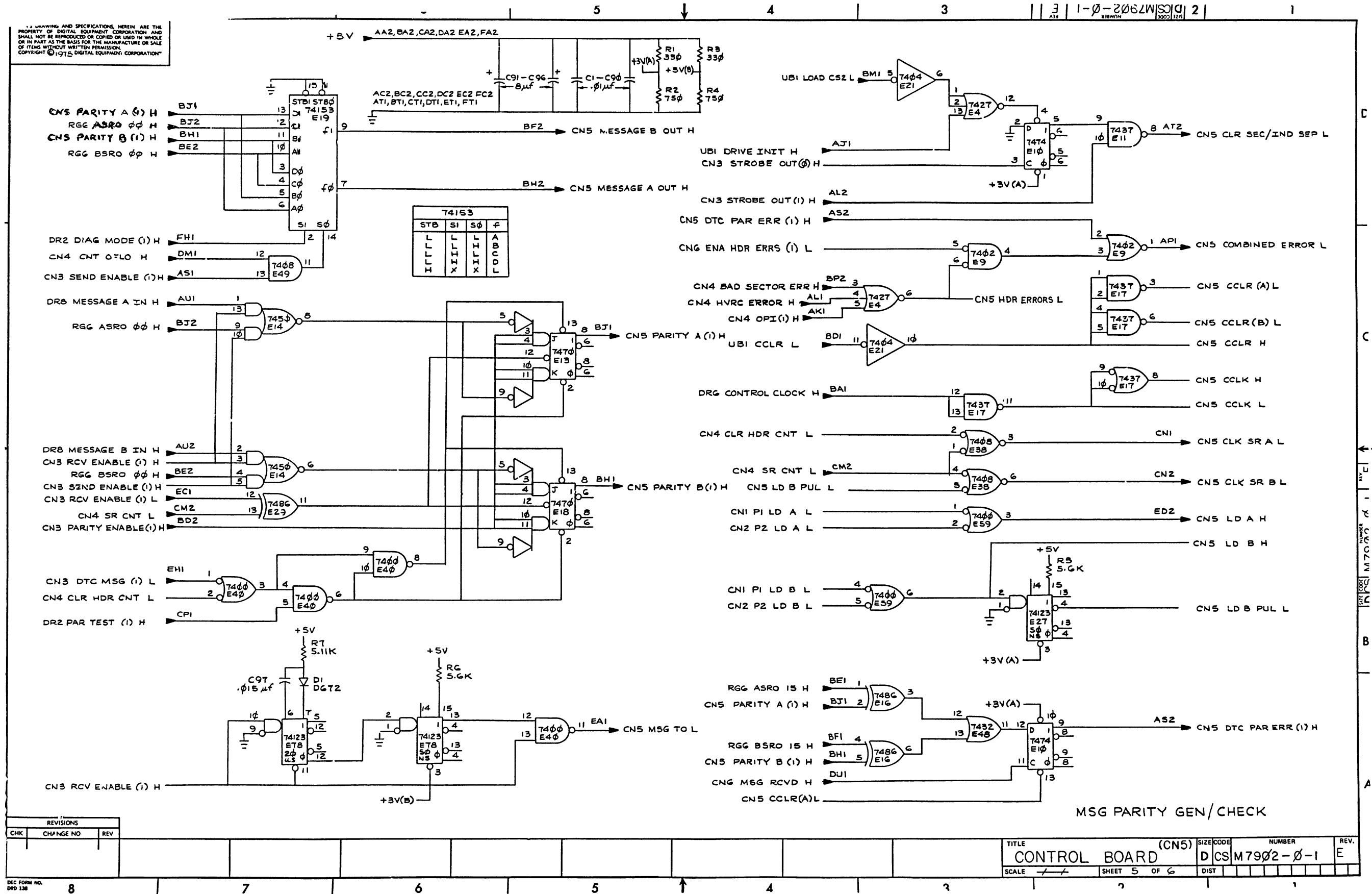


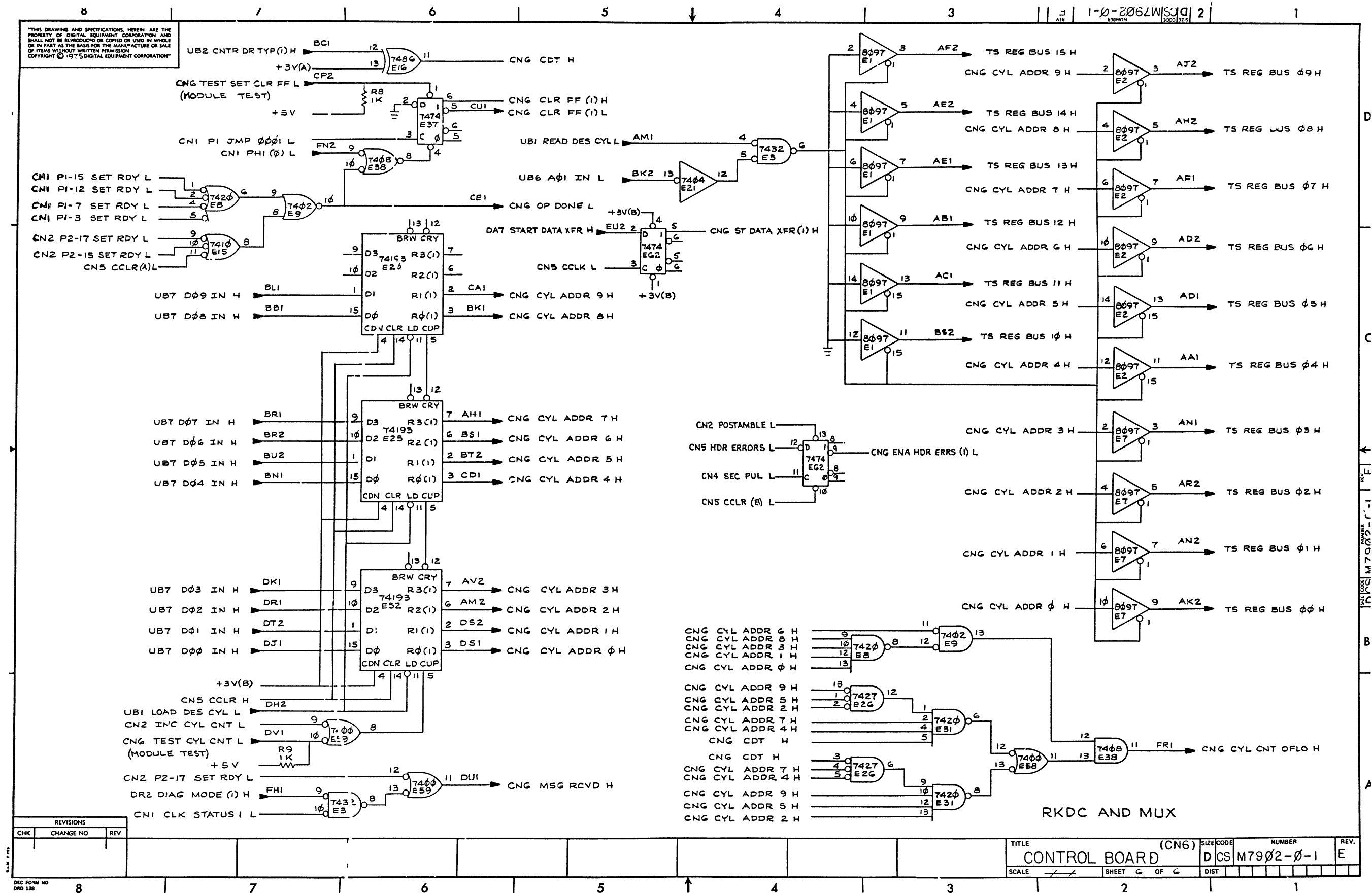






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CLASS A DRIVE COMMANDS
(PHASE I ONLY)

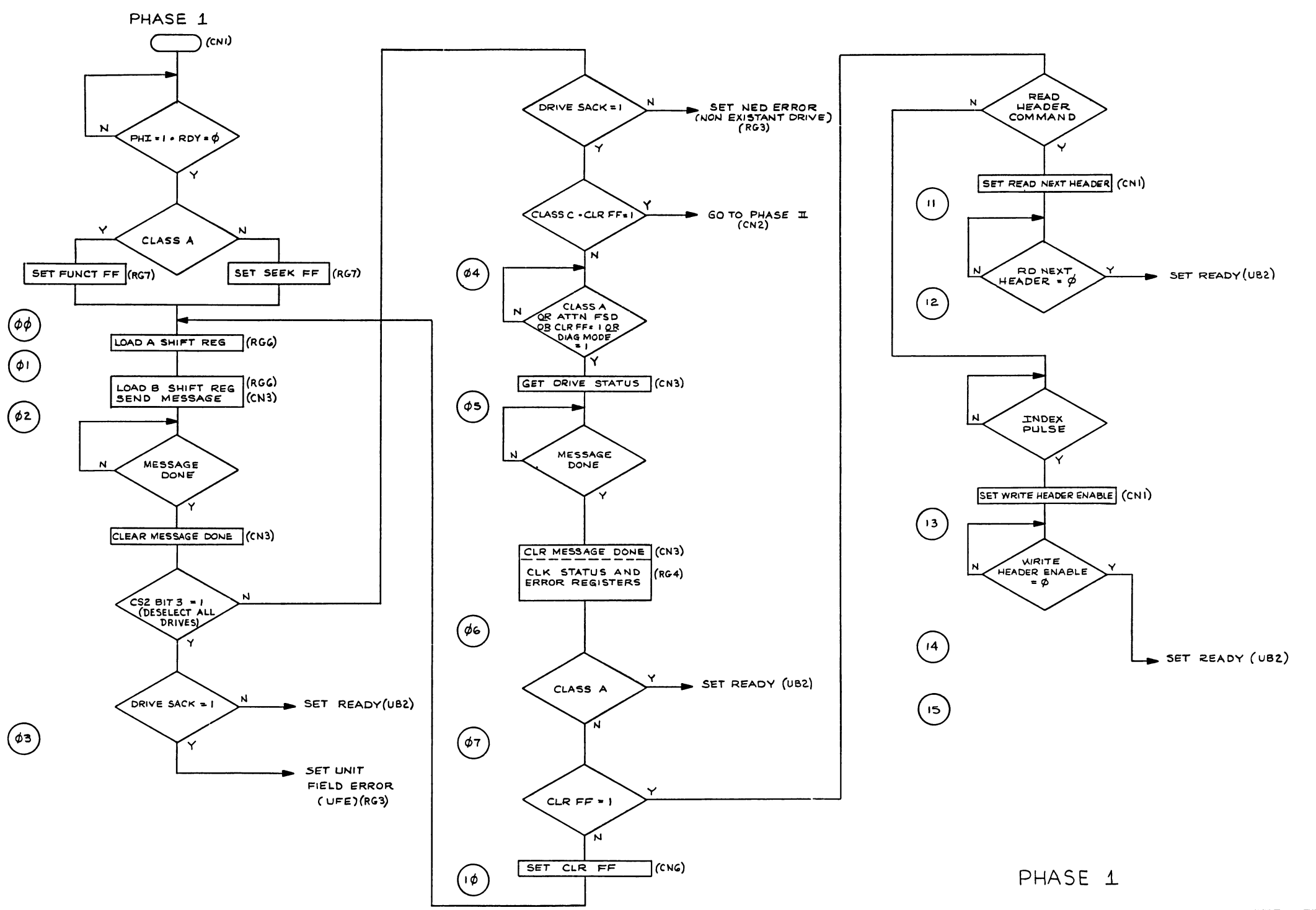
DRIVE SELECT	1
PACK ACK	3
DRIVE CLEAR	5
UNLOAD	7
START SPINDLE	11
RECALIBRATE	13
OFFSET	15
SEEK	17

CLASS B DRIVE COMMANDS
(PHASE I ONLY)

READ HEADER	25
WRITE HEADER	27

CLASS C DRIVE COMMANDS
(PHASE I AND II)

READ	21
WRITE	23
WRITE CHECK	31

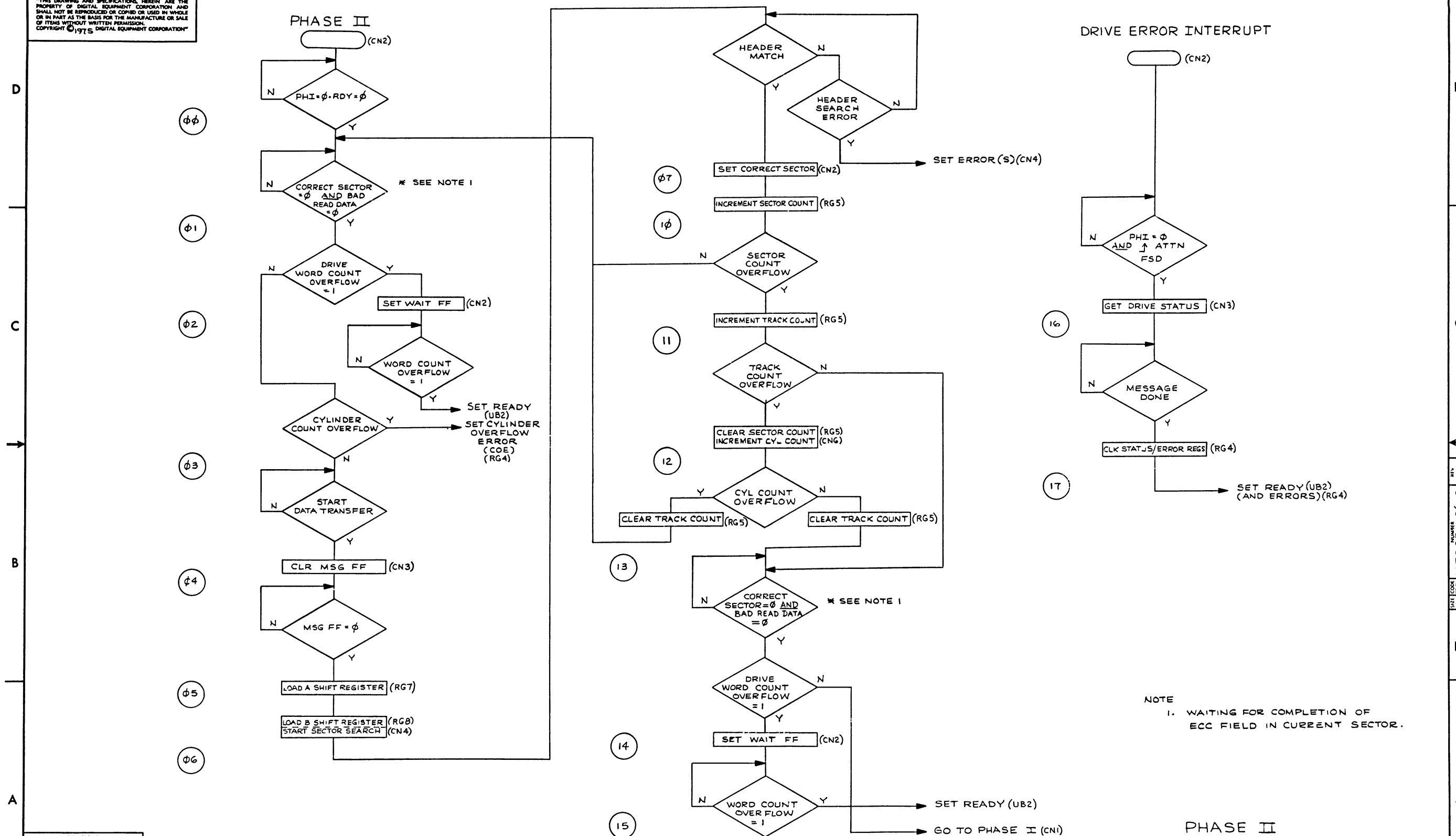


XX = PHASE ADDRESS COUNTER

PHASE 1

DRN: <i>John G. ...</i>	11/19/75	FIRST USED ON	RK611	digital
CHK'D: <i>...</i>	17 DEC 75	TITLE	CONTROL FLOW CHART	
ENG: <i>M. ...</i>	1/15/76	PROJ ENG: <i>...</i>	SCALE	SHEET 1 OF 2
PROD: <i>...</i>	2/10/76	NEXT HIGHER ASSY.		
B-DD-RK611-0	SIZE CODE D	NUMBER	FD M7902-0-9	REV
SHEET 1	OF 2	DIST		

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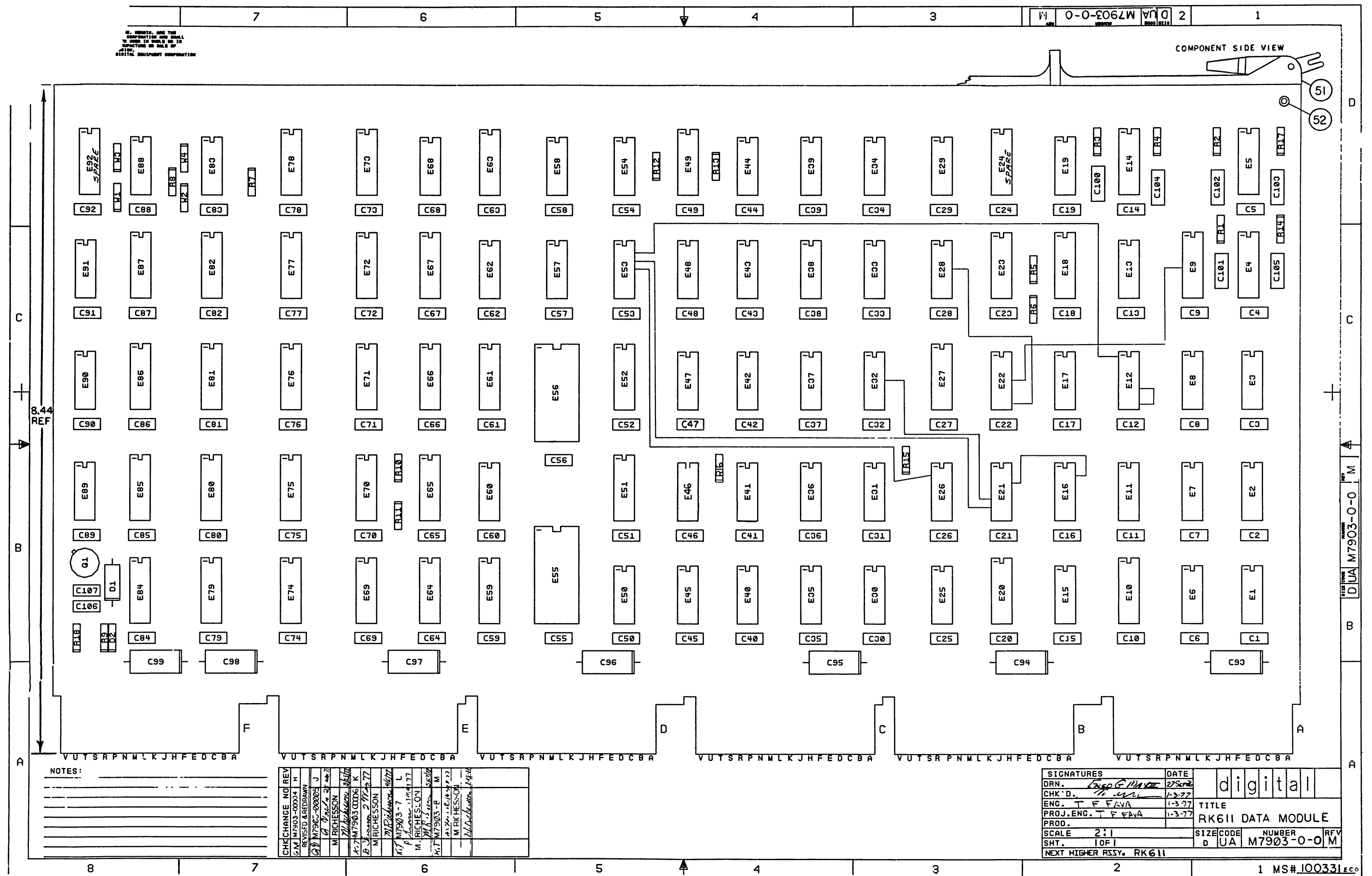
NOTE

1. WAITING FOR COMPLETION OF ECC FIELD IN CURRENT SECTOR.

PHASE II

REVISIONS		
CHK	CHANGE NO	REV

TITLE		CONTROL FLOW CHART		SIZE	CODE	NUMBER				REV
				D	FD	M7902-0-9				
SCALE		SHEET	2 OF 2	DIST						

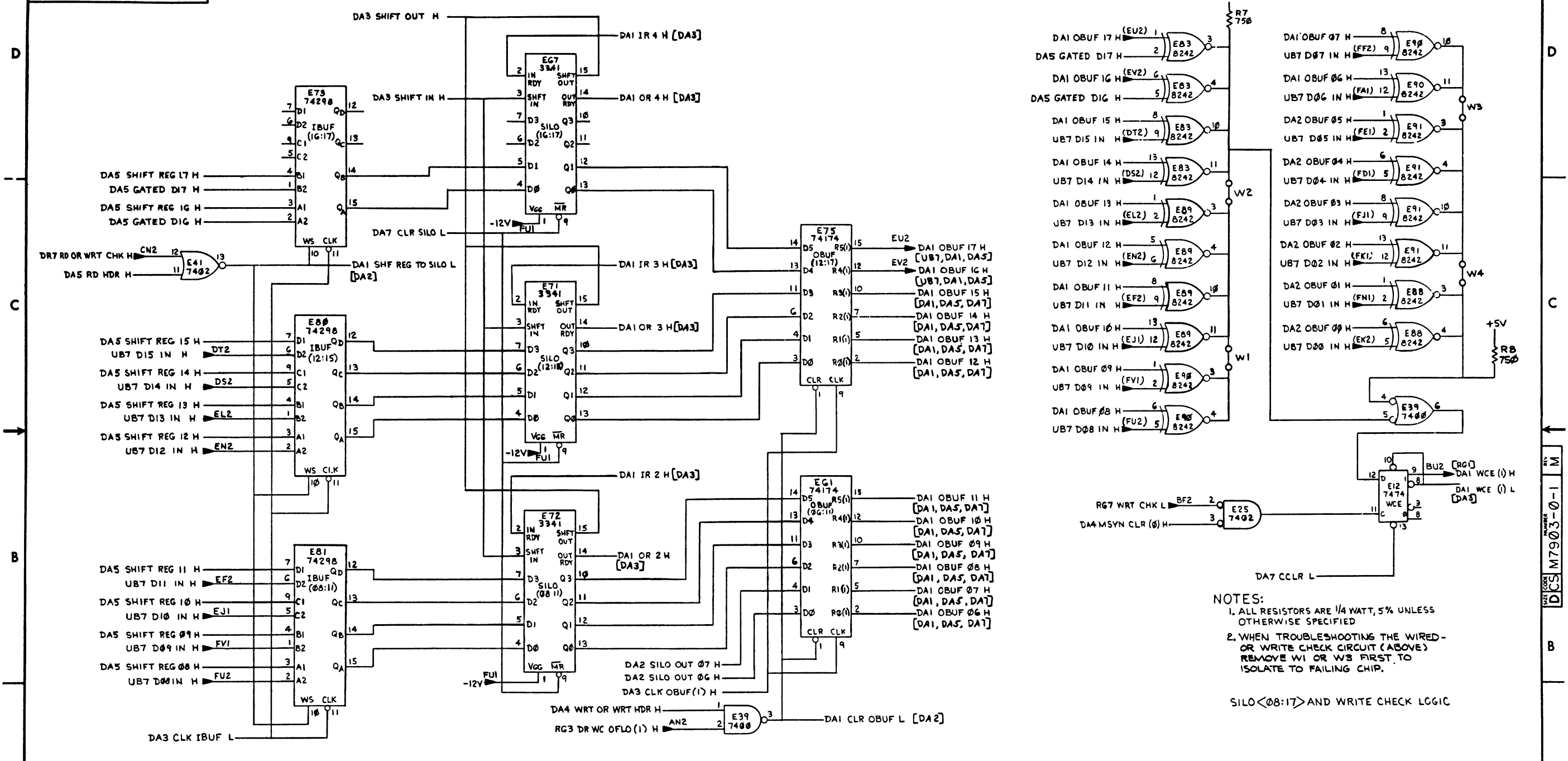


DIGITAL EQUIPMENT CORPORATION										QUANTITY / VARIATION										NOTES:																																																	
PARTS LIST										ETCH REV E																																																											
MADE BY W.J. GREENE					CHECKED <i>H. Davidson</i>					SECTION																																																											
DATE 1-14-76					DATE 15 JAN 76																																																																
ENG T. F. FAY					PROD C. E. G. Powell					ISSUED SECTION																																																											
DATE 29 MAR 76					DATE 29 MAR 76																																																																
ITEM NO	DRAWING NO.				PART NO.				DESCRIPTION														REF. DESIGNATION																																														
1	D-CS-M7903-0-1								RK611 DATA MODULE (C.S.)				REF																																																								
2	D-AH-M7903-0-5								ASSY DRILLING HOLE LAYOUT				REF																																																								
3	B-MH-M7903-0-6								MODULE ECO HISTORY				REF																																																								
4	5011499								ETCHED CIRCUIT BOARD				1																																																								
5	1000010-00								CAP 39PF 100V 5% DM				1										C104																																														
6	1000013-00								CAP 62PF 100V 5% DM				2										C101,C102																																														
7	1001610-01								CAP .01UF 100V 5% DISC				94										C1 THRU C92, C106,C107																																														
8	1001634-00								CAP 39PF 100V 5% DM				1										C105																																														
9	1002427-00								CAP 15PF 100V 5% DM				1										C100																																														
10	1012084-01								CAP 8.0UF 25V				7										C93 THRU C99																																														
11	1000019-00								CAP 150PF 100V 5% DM				1										C103																																														
12	1100114-00								DIODE D664				1										D2																																														
13	1105275-00								DIODE D672				1										D3																																														
14	1110836-00								DIODE IN759A 12.0V ZENER				1										D1																																														
15	1300295-00								RES 330 1/4W 5% CC				2										R5,R10																																														
16	1300365-00								RES 1K 1/4W 5% CC				2										R15,R16																																														
17	1300479-00								RES 10K 1/4W 5% CC				1										R17																																														
18	1300496-00								RES 15K 1/4W 5% CC				1										R9																																														
19	1301401-00								RES 750 1/4W 5% CC				4										R6,R7,R8,R11																																														
E.C.O. NO.																																																																					
00001																																																																					
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COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION																				SHEET 1 OF 4										DIST																																							

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:					
PARTS LIST																					
MADE BY W.J. GREENE		CHECKED <i>H. Van Dijk</i>		SECTION																	
DATE 1-14-76		DATE 15 JAN 76																			
ENG T.F. FAVA		PROD <i>C. Howell</i>		ISSUED SECTION																	
DATE 29 MAR 76		DATE 29 MAR 76																			
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION													REF. DESIGNATION					
20	1301874-00		RES 5.6K 1/4W 5% CC	6											R1,R2,R3,R4,R12,R13						
21	1501913-00		TRANS. 2N2904A	1											Q1						
22	1310878-00		TRANS. 2N5639	1											Q1						
23	1905547-00		IC 7474	10											E3,E12,E26,E28,E35,E42,E43,E44,E47,E54						
24	1905575-00		IC 7400	5											E6,E8,E37,E39,E48						
25	1905576-00		IC 7410	3											E15,E19,E38						
26	1905577-00		IC 7420	1											E68						
27	1909004-00		IC 7402	5											E13,E17,E25,E41,E58						
28	1909615-00		IC 8271	5											E65,E70,E85,E86,E87						
29	1909686-00		IC 7404	5											E16,E21,E34,E40,E60						
30	1909712-00		IC 8242	5											E83,E88,E89,E90,E91						
31	1910018-00		IC 74193	3											E9,E51,E52						
32	1910091-00		IC 7437	1											E7						
33	1910155-00		IC 7408	6											E11,E32,E45,E46,E50,E57						
34	1910436-00		IC 74123	4											E4,E5,E14,E49						
35	1910532-00		IC 74S00	1											E31						
36	1910536-00		IC 74S10	1											E36						
37	1910544-00		IC 74S74	3											E2,E22,E62						
E.C.O. NO.																					
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								SHEET 2 OF 4				DIST									

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:					
PARTS LIST																					
MADE BY W.J. GREENE		CHECKED <i>H. Norafian</i>		SECTION																	
DATE 1-14-76		DATE 15 JAN 76																			
ENG T.F. FAVA		PROD <i>C. Brownell</i>		ISSUED SECTION																	
DATE 29 MAR 76		DATE 28 MAR 76																			
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION													REF. DESIGNATION					
38	1910548-00		IC 74S157	1											E78						
39	1910650-00		IC 74161	5											E18,E23,E63,E69,E74						
40	1910651-00		IC 74175	1											E84						
41	1910652-00		IC 74174	3											E61,E75,E76						
42	1910878-00		IC 7427	1											E1						
43	1911271-00		IC 74298	5											E64,E73,E80,E81,E82						
44	1911314-00		IC 74120	1											E27						
45	1911712-00		IC 74S51	3											E29,E30,E33						
46	1912617-00		IC 74LS257	4											E10,E20,E59,E79						
47	2300101-00		IC 82S215/82S115 ROM/PROM	1											E55						
48	2300201-00		IC 82S215/82S115 ROM/PROM	1											E56						
49	1912388-00		IC 74S02	1											E53						
50	2111188-00		IC 3341	5											E66,E67,E71,E72,E77						
51	1210711-02		HANDLE, HEX	1																	
52	9006732-00		EYELET	12																	
53	9105740-55		WIRE, #30 AWG, GRN	4																	
54		9009185	WIRE, JUMPER INSULATED	4											W1,W2,W3,W4						
55		1000027	CAP. 820pf 100V 5%	1											C105						
56		1304838	RES. 43K 1/4W 5%	1											R14						
ECO. NO.																					
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								SHEET 3 OF 4				DIST									

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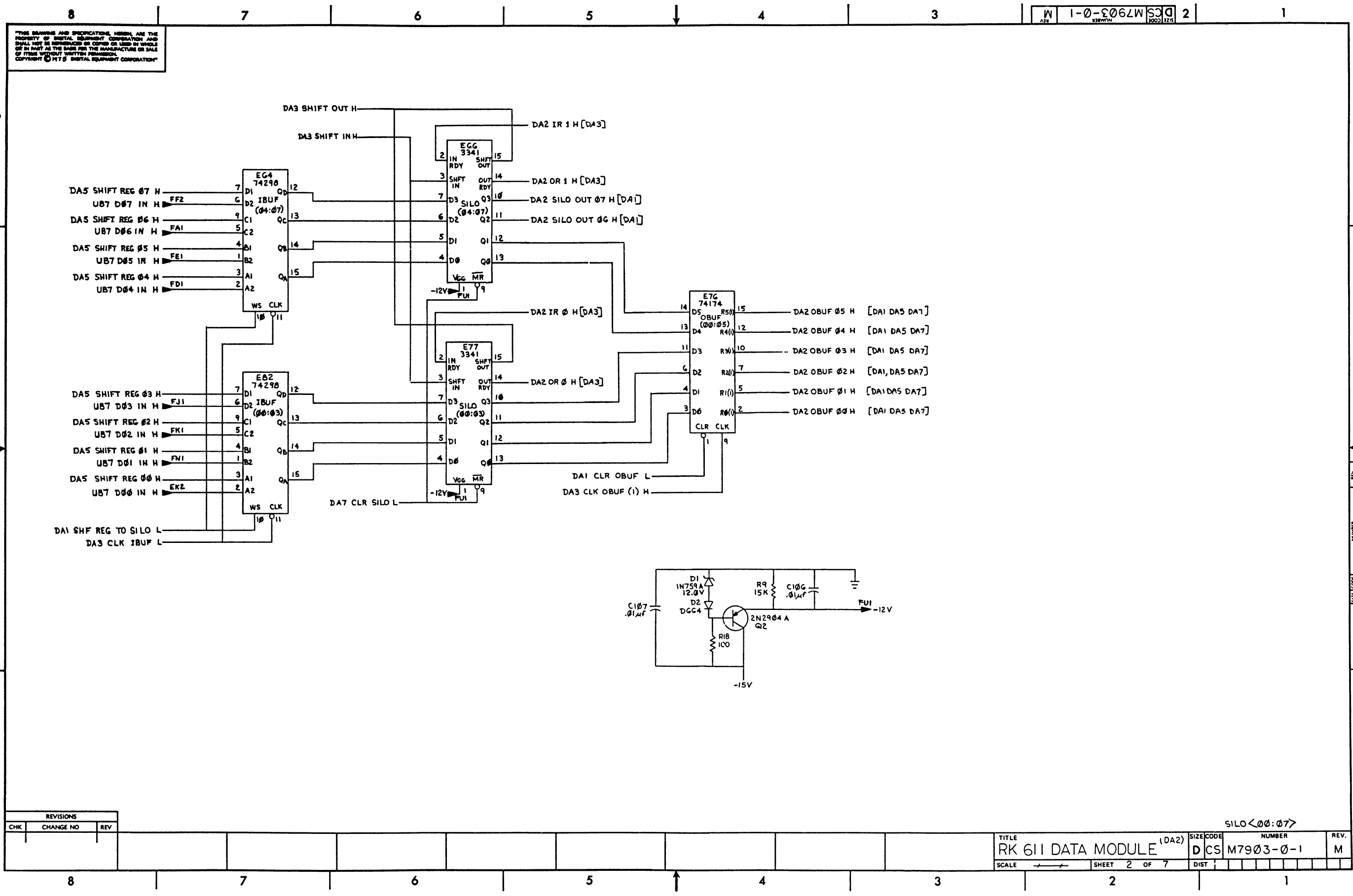


NOTES:
1. ALL RESISTORS ARE 1/4 WATT, 5% UNLESS OTHERWISE SPECIFIED
2. WHEN TROUBLESHOOTING THE WIRED-OR WRITE CHECK CIRCUIT (ABOVE) REMOVE W1 OR W3 FIRST TO ISOLATE TO FAILING CHIP.

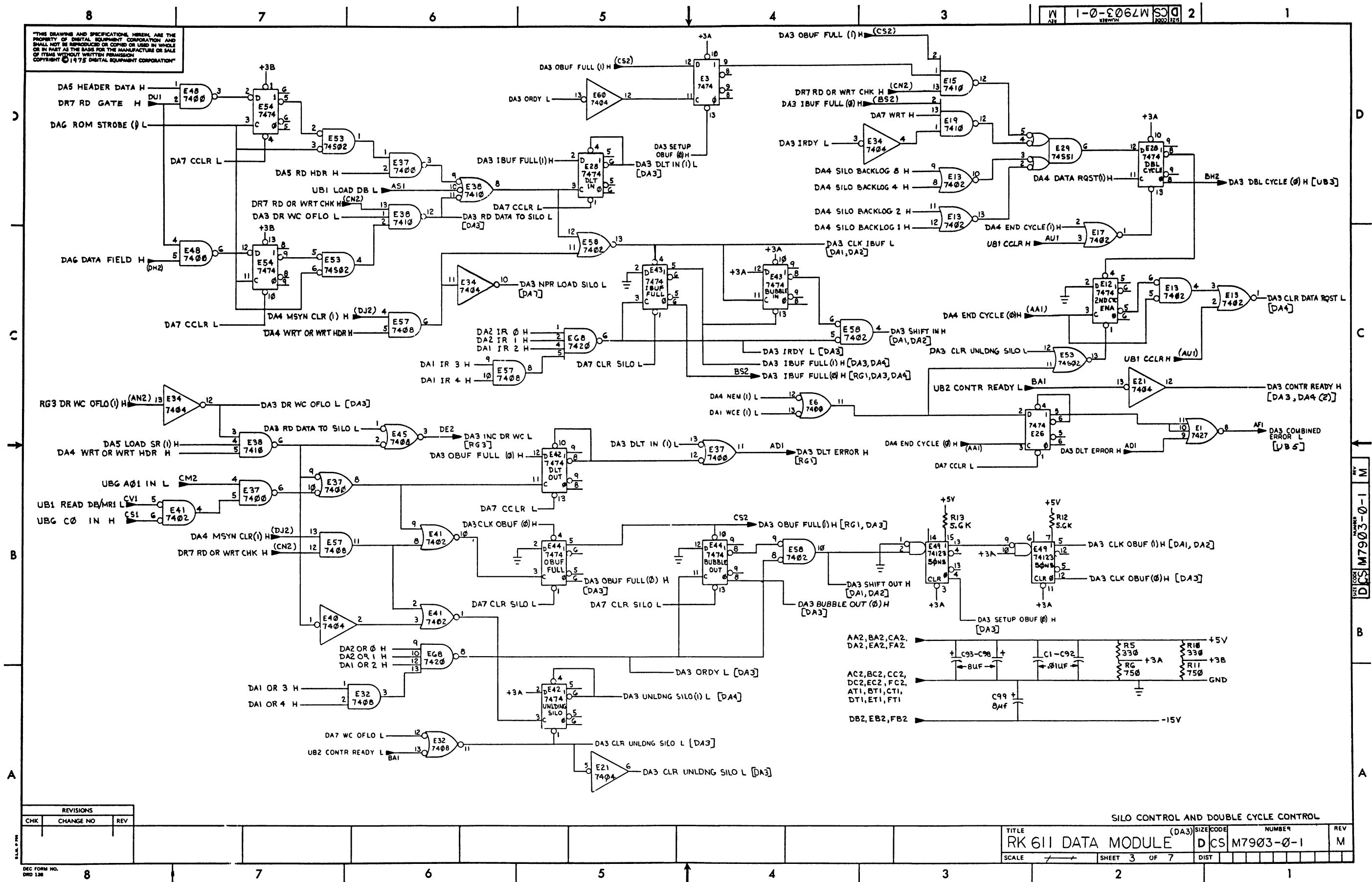
SILO<08:17> AND WRITE CHECK LOGIC

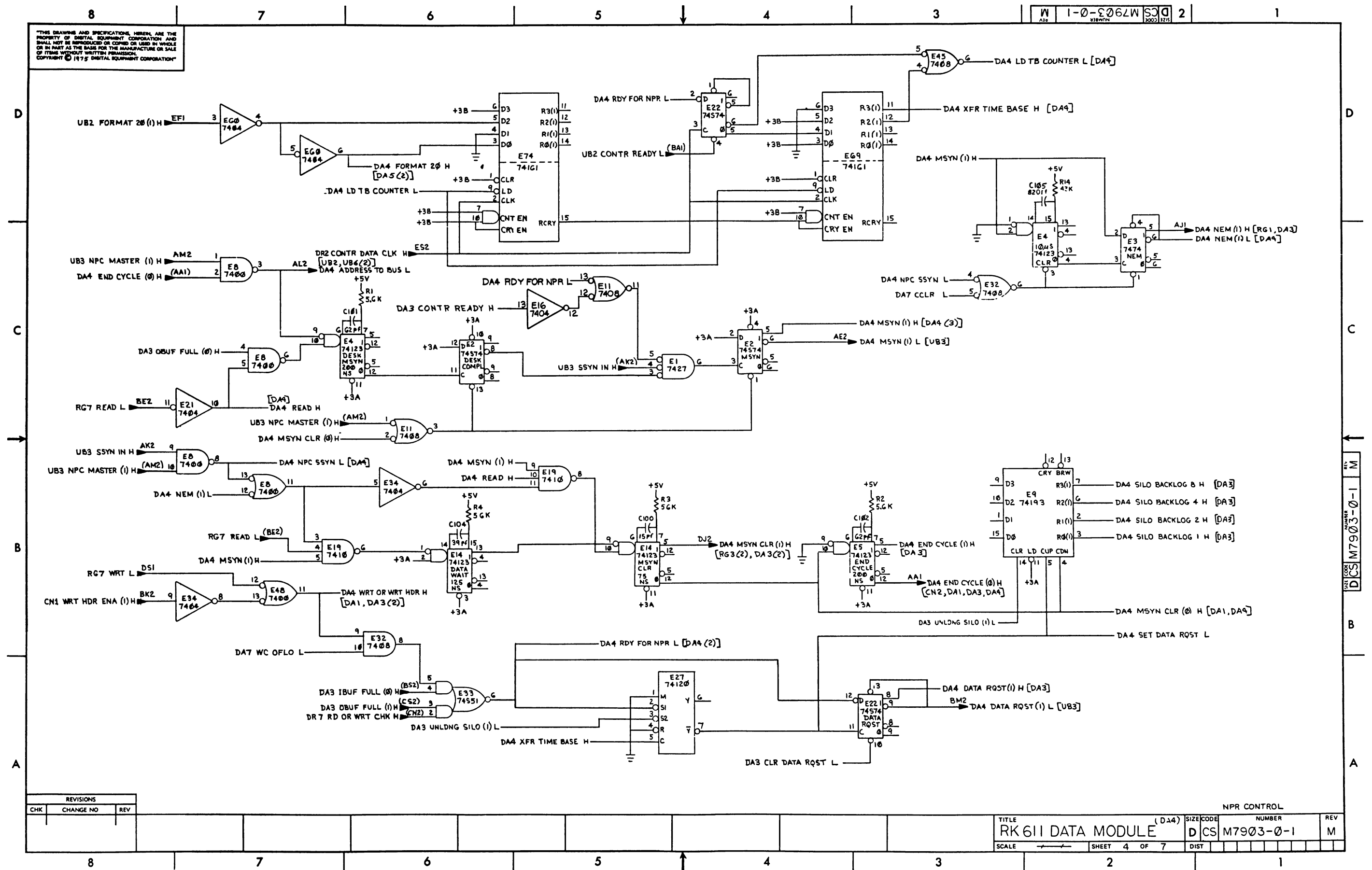
REV	DATE	BY	CHK'D	APP'D
1	12-13-73	WAV		
2	1-2-74	WAV		
3	1-2-74	WAV		
4	1-2-74	WAV		
5	1-2-74	WAV		
6	1-2-74	WAV		
7	1-2-74	WAV		
8	1-2-74	WAV		
9	1-2-74	WAV		
10	1-2-74	WAV		
11	1-2-74	WAV		
12	1-2-74	WAV		
13	1-2-74	WAV		
14	1-2-74	WAV		
15	1-2-74	WAV		
16	1-2-74	WAV		
17	1-2-74	WAV		
18	1-2-74	WAV		
19	1-2-74	WAV		
20	1-2-74	WAV		

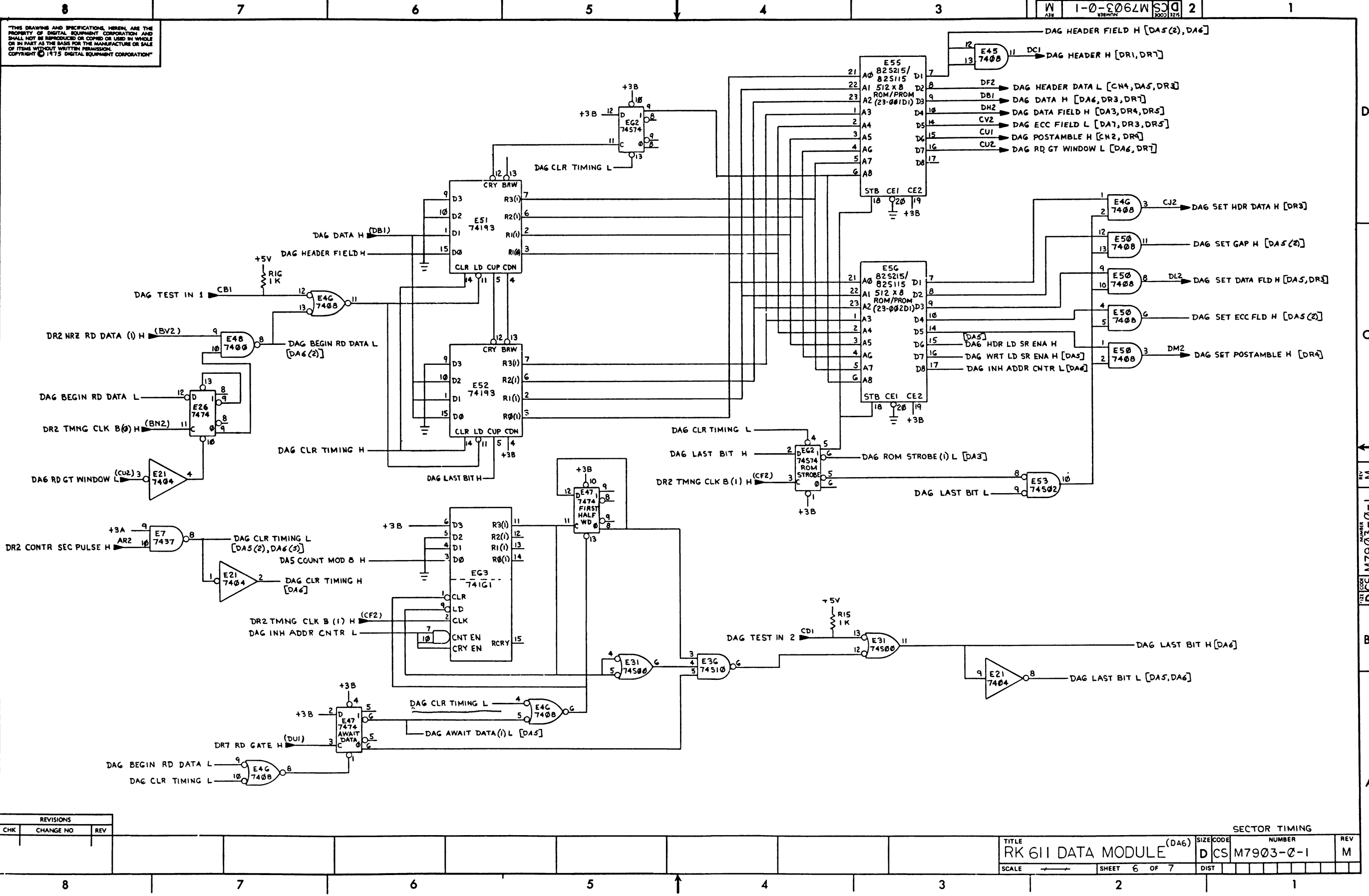
DRN. 90	1-1-76	FIRST USED ON	RK611
CHK'D	1-1-76	DATE	
ENG. T.F.F.	1-1-76	DATE	
PROJ. ENG. 111	1-1-76	DATE	
PROD. 111	1-1-76	DATE	
NEXT HIGHER ASSY.			
D-UA-7903-0-0	SIZE CODE	NUMBER	REV
SCALE	D CS	M7903-0-1	M
SHEET 1	OF 7	DIST.	



REVISIONS		
CHK	CHANGE NO	REV

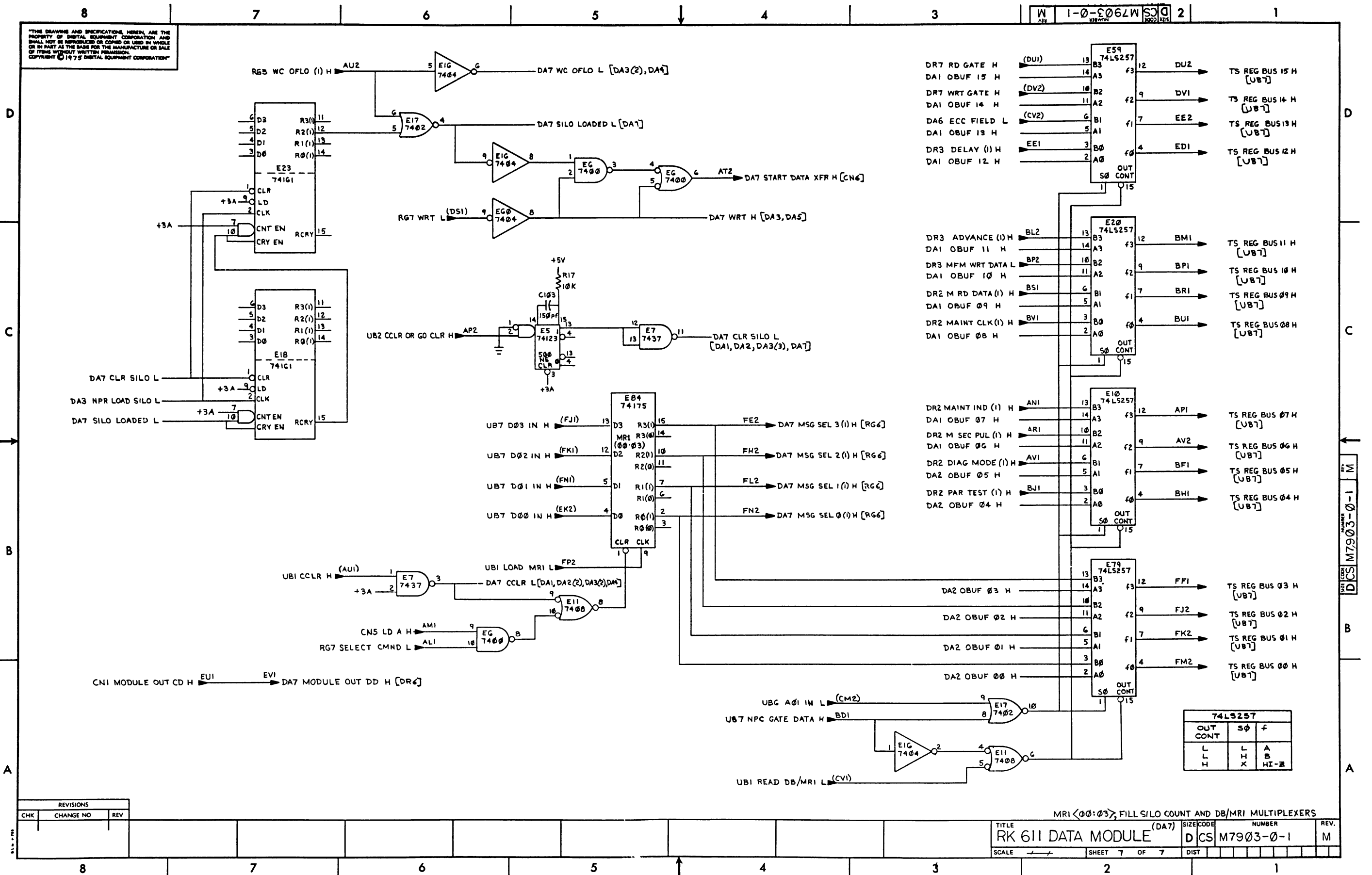


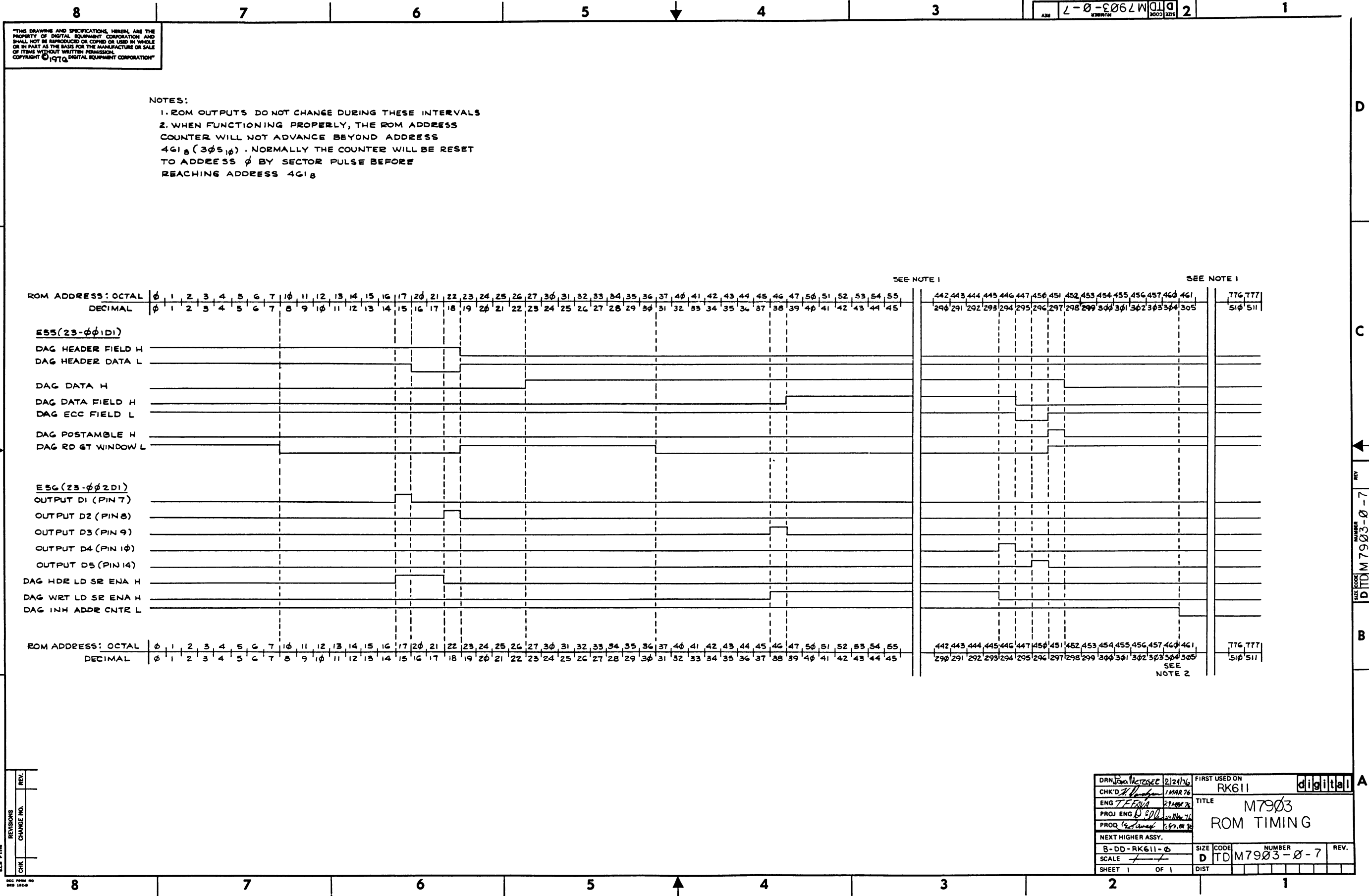


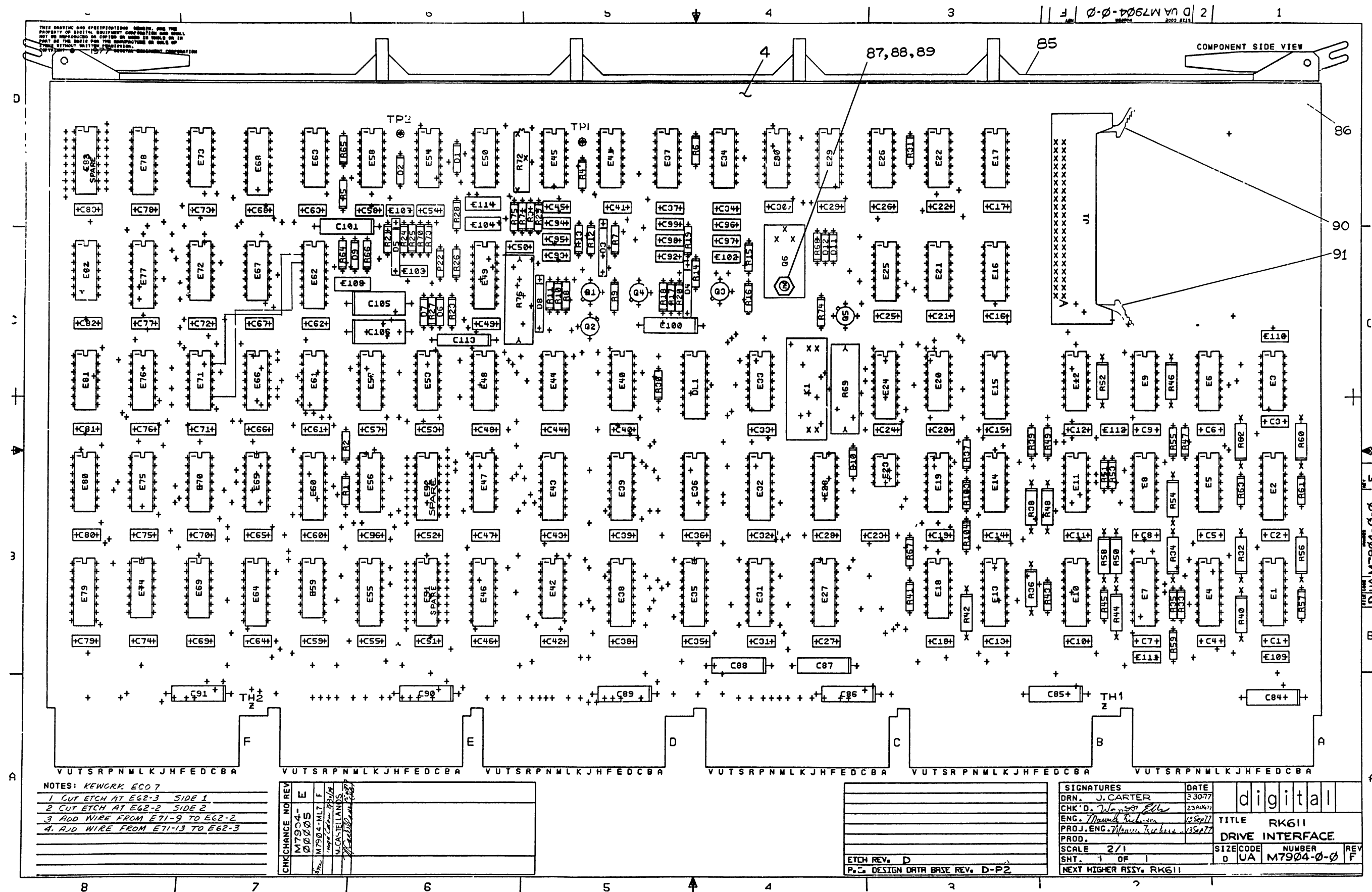


REVISIONS		
CHK	CHANGE NO	REV

SECTOR TIMING										
TITLE RK 611 DATA MODULE (DA6)					SIZE CODE D CS		NUMBER M7903-0-1			REV M
SCALE ←→		SHEET 6 OF 7			DIST					







DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:			
PARTS LIST																			
MADE BY D.Bennett		CHECKED <i>H. Davis</i>		SECTION															
DATE 12/11/75		DATE 8 JAN 76																	
ENG T.F.FIN		PROD C.E. JOURNAL		ISSUED SECTION															
DATE 30 MAR 76		DATE 30 MAR 76																	
ITEM NO	DRAWING NO.	PART NO.	DESCRIPTION														REF. DESIGNATION		
1	D-CS-M7904-0-1		RK611 DRIVE INTERFACE (C.S.)	REF															
2	D-AH-M7904-0-5		ASSY/DRILLING HOLE LAYOUT	REF															
3	B-MH-M7904-0-6		MODULE ECO HISTORY	REF															
4	5011709		ETCHED CIRCUIT BOARD	1															
5	1000015-00		CAP 82PF 100V 5% DM	1													C107		
6	1000020-00		CAP 180PF 100V 5% DM	1													C108		
7	1000050-00		CAP .033UF 100V 10%	1													C105		
8	1001610-01		CAP .01UF 100V 5% DISC	85													C5,C6,C9,C11,C12,C15 THRU C83,C92 THRU C99,C109,C110,C111.		
9	1001739-00 1000009-00		CAP ^{27 PF} 33 PF 100V 5% DM	1													C104		
10	1002323-00		CAP .022UF 100V 10% MYLAR	1													C106		
11	1005306-00		CAP 6.8UF 35V 10% S.TANT	3													C100,C101,C113		
12	1010274-00		CAP .22UF 50V 20%	10													C1,C2,C3,C4,C7,C8,C10,C13,C14,C112		
13	1010978-36		CAP .1UF 50V	2													C102,C103		
14	1012084-01		CAP 8UF 25V AL EL	8													C84,THRU C91		
15	1105275-00		DIODE D672	6													D1,D2,D6,D7,D9,D11		
16	1105796-00		DIODE 1N4004	1													D10		
17	1110488-00		DIODE 1N4733 5.1V ZENER	1													D12		
18	1110994-00		DIODE 1N751A 5.1V ZENER	4													D3,D4,D5,D8		
ECO. NO. 00001 00002 00004 00005 ML607																			
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				SHEET 1 OF 6				DST											

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:			
PARTS LIST																			
MADE BY D.Bennett		CHECKED <i>[Signature]</i>		SECTION															
DATE 12/11/75		DATE 8 JAN 76																	
ENG <i>[Signature]</i>		PROD C.E. Jowell		ISSUED SECTION															
DATE 30 MAR 76		DATE 30 MAR 76																	
ITEM NO	DRAWING NO.	PART NO.	DESCRIPTION														REF. DESIGNATION		
19	1209941-02		CONN 40 PIN	1													J1		
20	1210397-00		RELAY, REED	1													K1		
21	1300229-00		RES100 1/4W 5% CC	4													R9,R10,R16,R18		
22	1300271-00		RES 220 1/4W 5% CC	1													R30		
23	1300295-00		RES 330 1/4W 5% CC	2													R1,R104		
24	1300316-00		RES 470 1/4W 5% CC	3													R4,R26,R68		
25	1300365-00		RES 1K 1/4W 5% CC	12													R6,R7,R12 THRU R15,R19,R31,R65,R67,R70,R73		
26	1309413-00		RES 3.83K 1/4W 1% MF	2													R25,R75		
27	1300439-00		RES 3.3K 1/4W 5% CC	1													R28		
28	1300444-00		RES 3.9K 1/4W 5% CC	3													R11,R20,R74		
29	1300479-00		RES 10K 1/4W 5% CC	1													,R71		
30	1300488-00		RES 12K 1/4W 5% CC	1													R29		
31	1301322-00		RES 180 1/4W 5% CC	1													R27		
32	1301401-00		RES 750 1/4W 5% CC	2													R2,R103		
33	1301477-00		RES 82 1/4W 5% CC	16													R33,R35,R37,R39,R41,R43,R45,R47,R51,R53,R55,R57,R59,R61,R63,R49		
34	1301775-00		RES 820 1/4W 5% CC	3													R8,R17,R21		
35	1301781-00		RES 82 1/2W 5% CC	16													R32,R34,R36,R38,R40,R42,R44,R46,R48,R50,R52,R54,R56,R58,R60,R62,		
36	1302177-00		RES 47K 1/4W 5% CC	1													R66		
ECO. NO.																			
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								SHEET 2 OF 6				DST							

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:					
PARTS LIST																					
MADE BY D.Bennett		CHECKED <i>H. Hamilton</i>		SECTION																	
DATE 12/11/75		DATE 8 JAN 76																			
ENG T FFAVJ		PROD C E Powell		ISSUED SECTION																	
DATE 30 MAR 76		DATE 30 MAR 76																			
ITEM NO	DRAWING NO.	PART NO.	DESCRIPTION														REF. DESIGNATION				
37	1302612-00		RES 1.78K 1/4W 1% MF	1													R22				
38	1303114-00		RES 1K 1/4W 1% MF	1													R24				
39	1305114-00		RES 3.48K 1/4W 1% MF	1													R23				
40	1309143-07		RES 1K POT 3/4 W 10%	1													R72				
41	1309994-00		RES 36 2W 5% CC	1													R69				
42	1302955-00		RES 750 1/4W 1% MF	1													R3				
43	1302871-00		RES 1.21K 1/4W 1% MF	1													R5				
44	1503014-00		TRANSISTOR 2N3646	1													Q5				
45	1503029-00		TRANSISTOR 2N3640	2													Q1,Q2				
46	1503100-00		TRANSISTOR DEC 3009B	2													Q3,Q4				
47	1510708-01		TRANSISTOR D45H8C	1													Q6				
48	1610033-00		DELAY LINE 100NS	1													DL1				
49	1905547-00		IC 7474	5													E6,E9, E54,E61,E71,				
50	1905575-00		IC 7400	3													E47, E70, E80				
51	1905576-00		IC 7410	1													E74				
52	1905577-00		IC 7420	2													E20,E33				
53	1905578-00		IC 7430	1													E22				
54	1909004-00		IC 7402	1													E40				
55	1909686-00		IC 7404	1													E59				
ECO. NO.																					
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								SHEET 3 OF 6				DST									
EN-01140-16-N1075-(325) DRD 124																					
EN-01140-16-N1075-(325) DRD 124																					

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:			
PARTS LIST																			
MADE BY D.BENNETT		CHECKED <i>H. J. Sullivan</i>		SECTION															
DATE 12/11/75		DATE 8 JAN 76																	
ENG T.F.FAVA		PROD <i>W. Powell</i>		ISSUED SECTION															
DATE 30 MAR 76		DATE 31 MAR 76																	
ITEM NO	DRAWING NO.	PART NO.	DESCRIPTION													REF. DESIGNATION			
56	1909936-00		IC 74151	1												E79			
57	1910011-00		IC 7486	1												E3			
58	1910041-00		IC 74164	3												E17,E29,E42			
59	1910091-00		IC 7437	1												E75			
60	1910096-00		IC 74191	4												E28,E32,E36,E39			
61	1910155-00		IC 7408	1												E30.			
62	1910268-00		IC 75107-B	5												E5,E8,E11,E14,E18			
63	1910436-00		IC 74123	1												E62			
64	1910532-00		IC 74S00	3												E34,E69,E72			
65	1910534-00		IC 74S04	2												E19,E41			
66	1910535-00		IC 74S05	1												E50			
67	1910536-00		IC 74S10	2												E65,E66			
68	1910537-00		IC 74S11	1												E57			
69	1910542-00		IC 74S64	4												E37,E58,E63,E73			
70	1910544-00		IC 74S74	5												E12,E44,E67,E81,E82			
71	1910545-00		IC 74S112	3												E64,E77,E78			
72	1910548-00		IC 74S157	1												E55			
73	1910650-00		IC 74161	1												E43			
74	1910651-00		IC 74175	3												E15,E24,E68			
E.C.O. NO.																			
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				SHEET 4 OF 6				DST											

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:			
PARTS LIST																			
MADE BY D.Bennett		CHECKED <i>H. Vassiljan</i>		SECTION															
DATE 12/11/75		DATE 8 JAN 76																	
ENG T.F. FAVA		PROD C.E. Howell		ISSUED SECTION															
DATE 30 MAR 76		DATE 30 MAR 76																	
ITEM NO	DRAWING NO.	PART NO.	DESCRIPTION														REF. DESIGNATION		
75	1910652-00		IC 74174	1													E46		
76	1910878-00		IC 7427	3													E16,E26,E48		
77	1911036-00		IC 75453	1													E23		
78	1911314-00		IC 74120	1													E60		
79	1911341-00		IC 75113	6													E1,E2,E4,E7,E10,E13		
80	1911712-00		IC 74S51	2													E56,E76		
81	1911911-00		IC 74S124	1													E49		
82	1912647-00		IC 74LS257	4													E27,E31,E35,E38		
83	1910268-01		IC 75107B-01	1													E45		
84			IC SPARES	3													E52,E51, ,E83		
85	1210711-02		HANDLE,HEX	1															
86	9000024-01		EYELET	12															
87	9006010-04		SCREW,SBH 4-40 X 5/16	1															
88	9006557-00		NUT,KEP 4-40	1															
89	9008268-00		THERMAL COMPOUND	A/R															
90	1209941-03		LATCH,LEFT	1															
91	1209941-04		LATCH,RIGHT	1															
92	1302394-00		RES 30 K 1/4W 5% CC	1													R64		
93	9105710-55		WIRE #30 AWG, GRN	AR															
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TITLE RK611 DRIVE INTERFACE				ASSY NO. D-UA-M7904-0-0				SIZE B PL		NUMBER M7904-0-0				REV. F					
SHEET 5 OF 6				DST															

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:	
PARTS LIST				ETCH REV D													
MADE BY D. BENNETT		CHECKED H. DARAKJIAN		SECTION													
DATE 11-DEC-75		DATE 8-JAN-76															
ENG T. F. FAVA		PROD C. E. POWELL		ISSUED SECTION													
DATE 30-MAR-76		DATE 30-MAR-76															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION													REF DESIGNATION	
94	1300243-00		RES 120 1/2W 5%CC	2													R76, R77
95	1300249-00		RES 150 1/2W 5%CC	2													R78, R79
96	9107256-11		TUBING, INSULATION	A/R													
97	1304832-00		RES 130 2W 5% CC	1													R76
98	1912388-00		IC 74S02	1													E21
99	1912389-00		IC 74S08	1													E53
100	1912829-00		IC 74LS86	1													E25
101	B-DD-7012603-0		M7904 TESTER	REF													
102		9006735	SPLIT LUG	2													TP1, TP2
103	1000005-00 1000006-00		CAP. 6.8pF, 100V, 5% SELECTED CAP. 10pF, 100V, 5% SELECTED	AR													C114
104	9105740-55		WIRE #30 AWG GREEN	AR													
105	D-UA-M7904-0-1		UNIT ASSY	REF													

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TITLE

RK611 DRIVE INTERFACE

ASSY NO.

D-UA-M7904-0-0

SHEET 6 OF 6

SIZE B

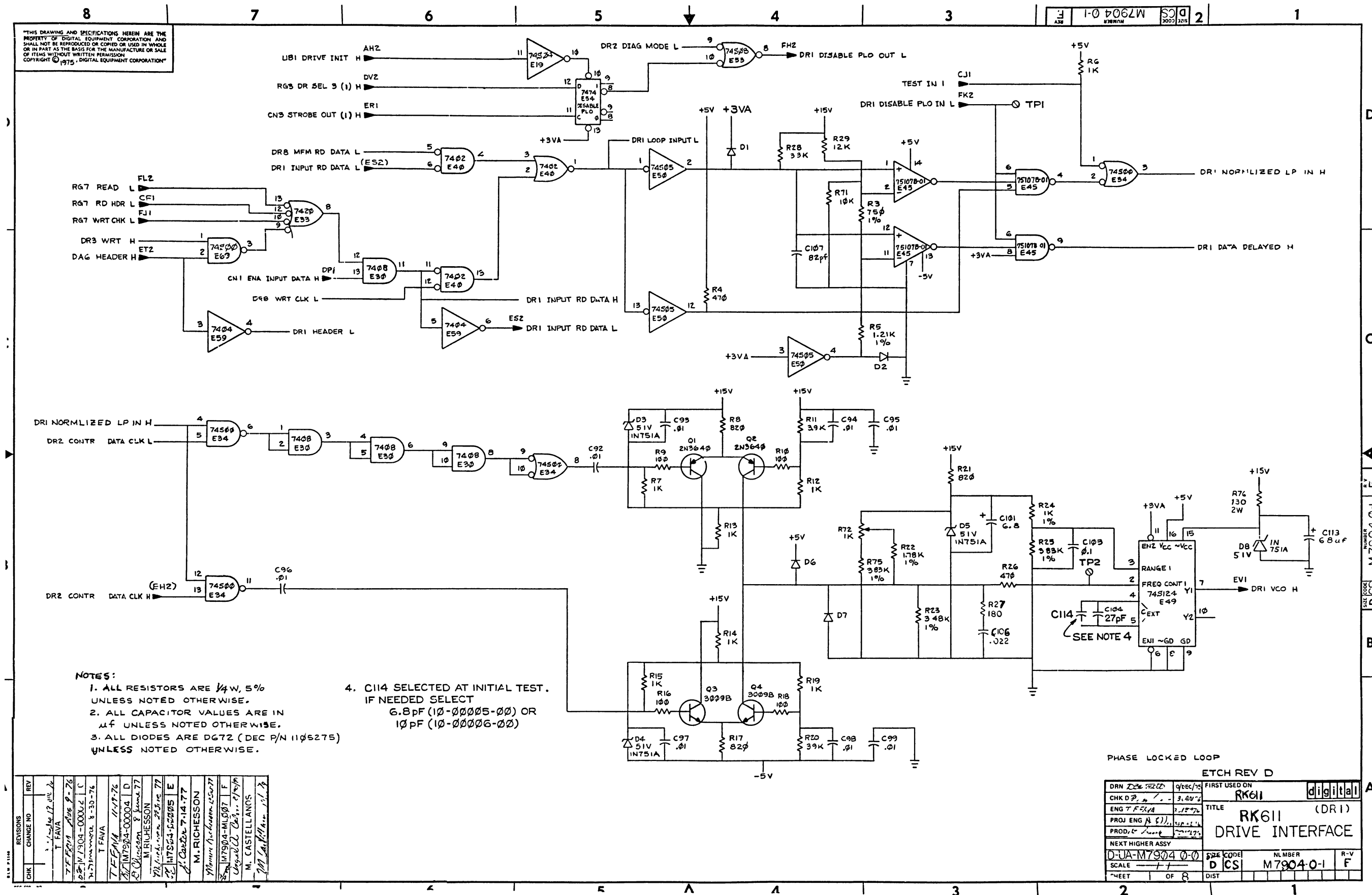
CODE PL

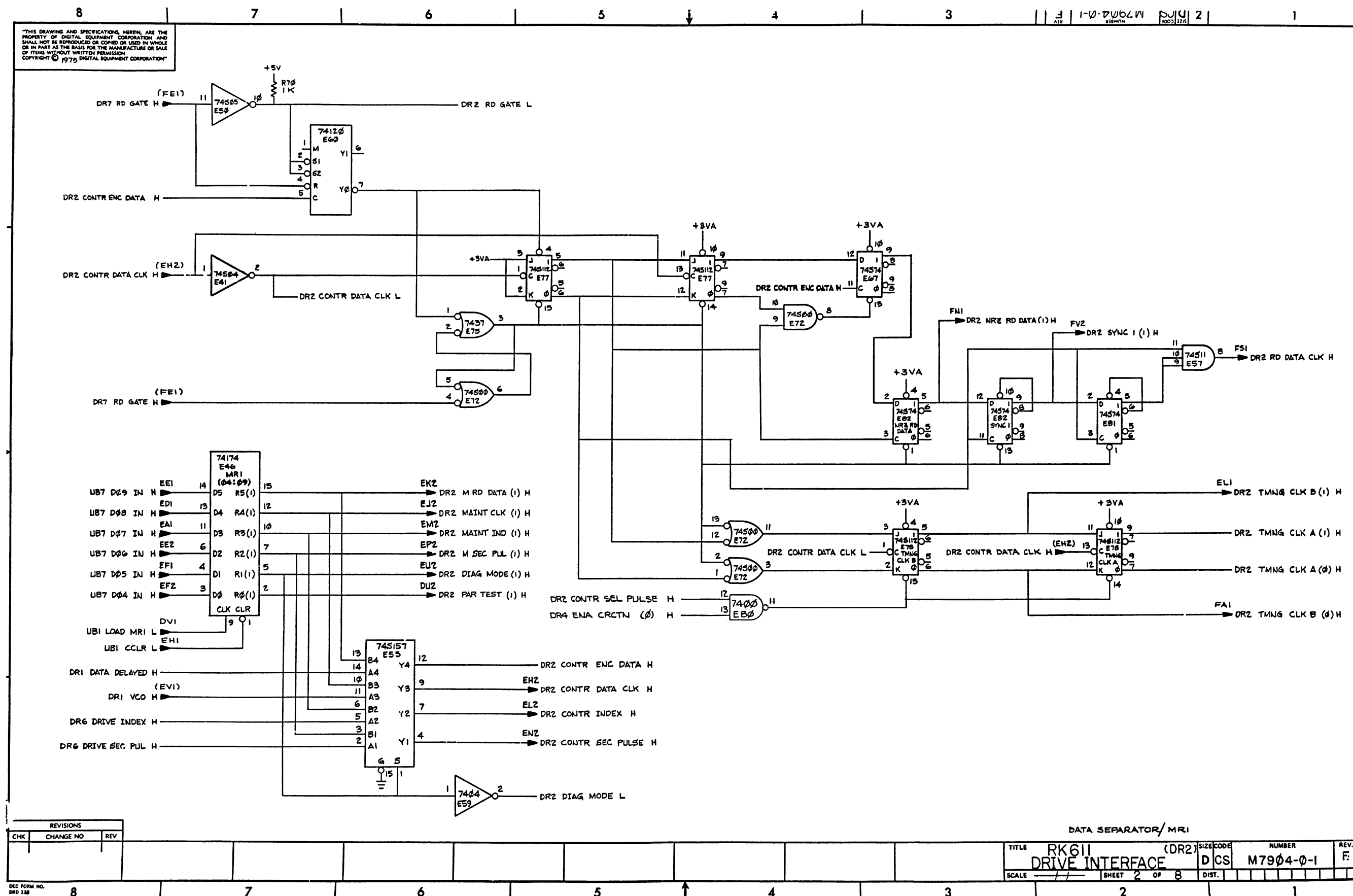
NUMBER M7904-0-0

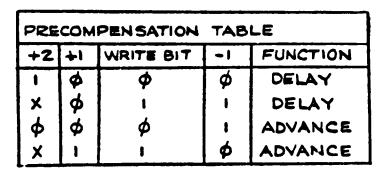
INSERTION PARTS LIST DATA BASE REV

REV.

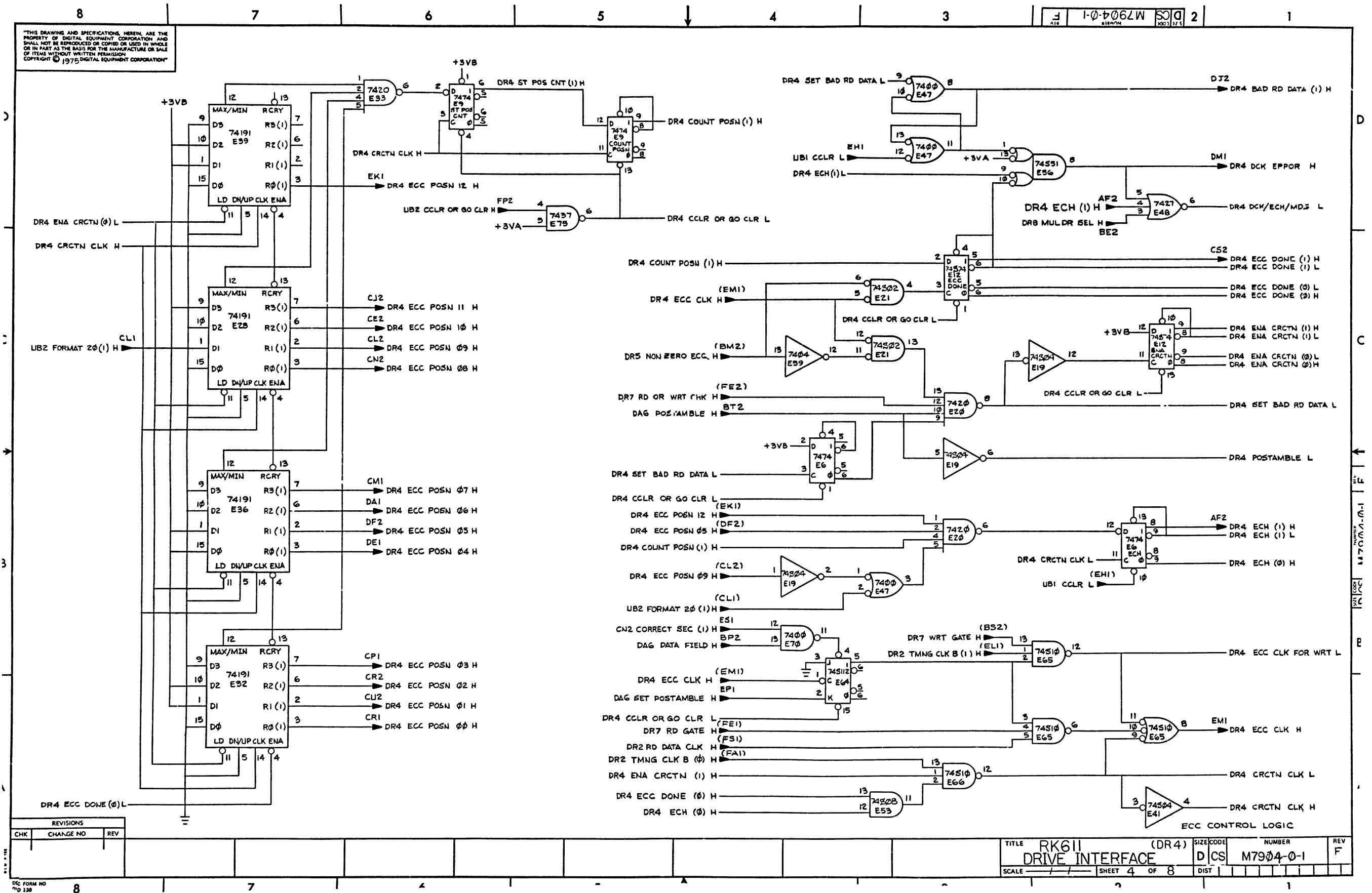
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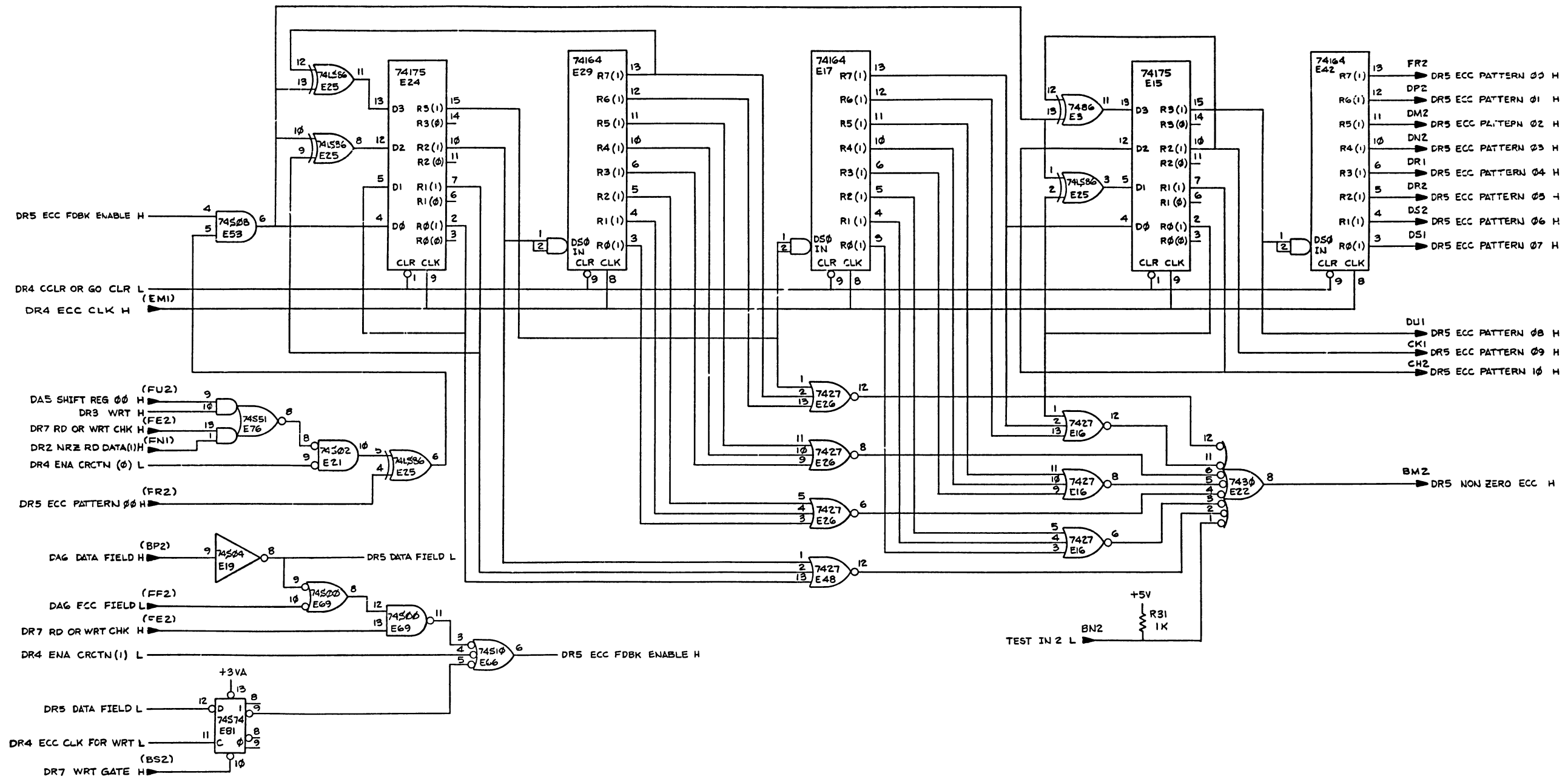




TITLE		RK611 (DR3)		SIZE	CODE	NUMBER		REV.
DRIVE INTERFACE				D	CS	M7904-0-1		F
SCALE	1/1	SHEET	3 OF 8	DIST.				



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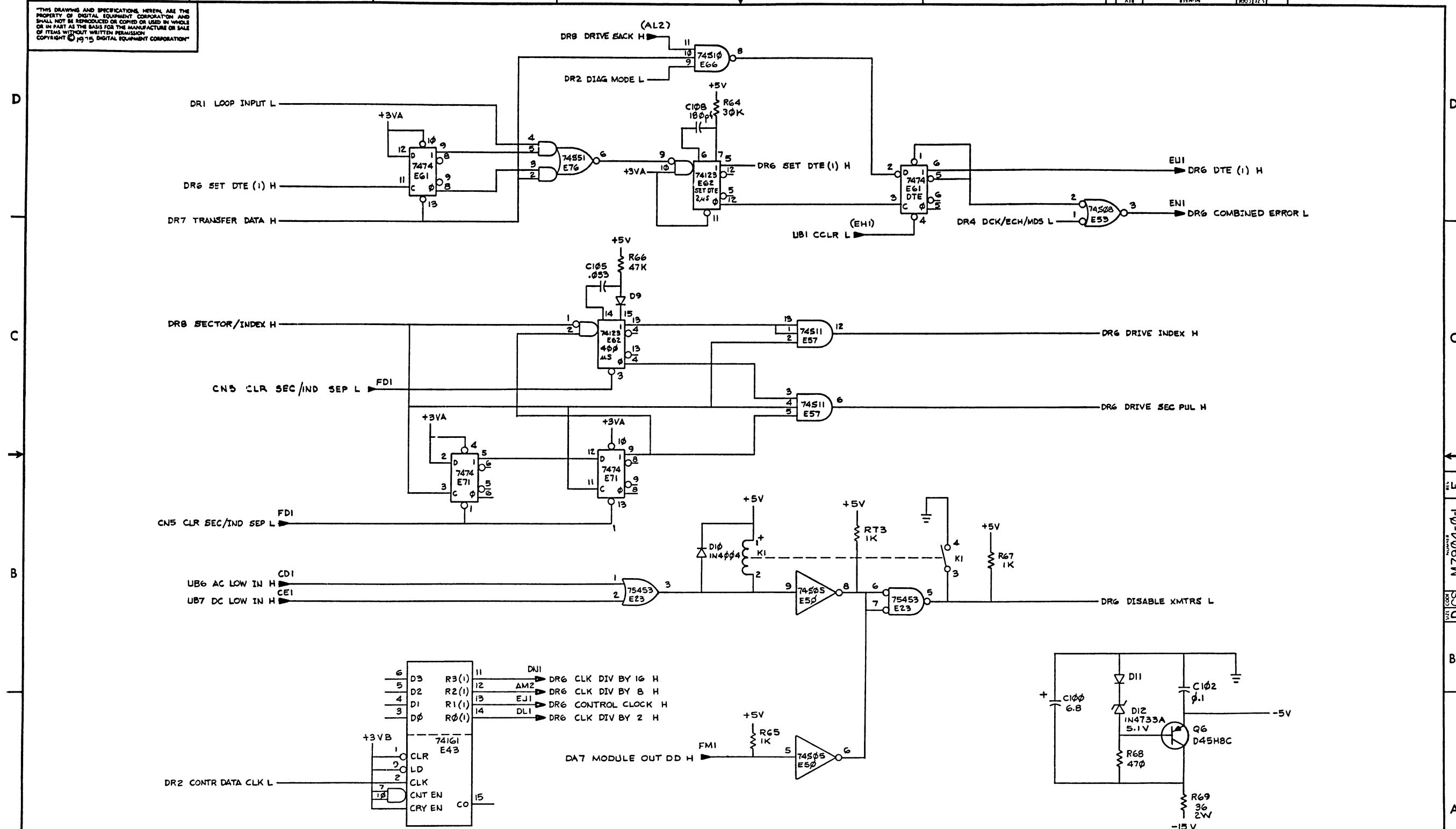


ECC POLYNOMIAL GENERATOR

REVISIONS	
CHANGE NO	REV

TITLE		(DR5)		SIZE	CODE	NUMBER				REV.
RK611				D	CS	M7904-0-1				F
DRIVE INTERFACE										
SCALE	7/7	SHEET	5	OF	8	DIST				

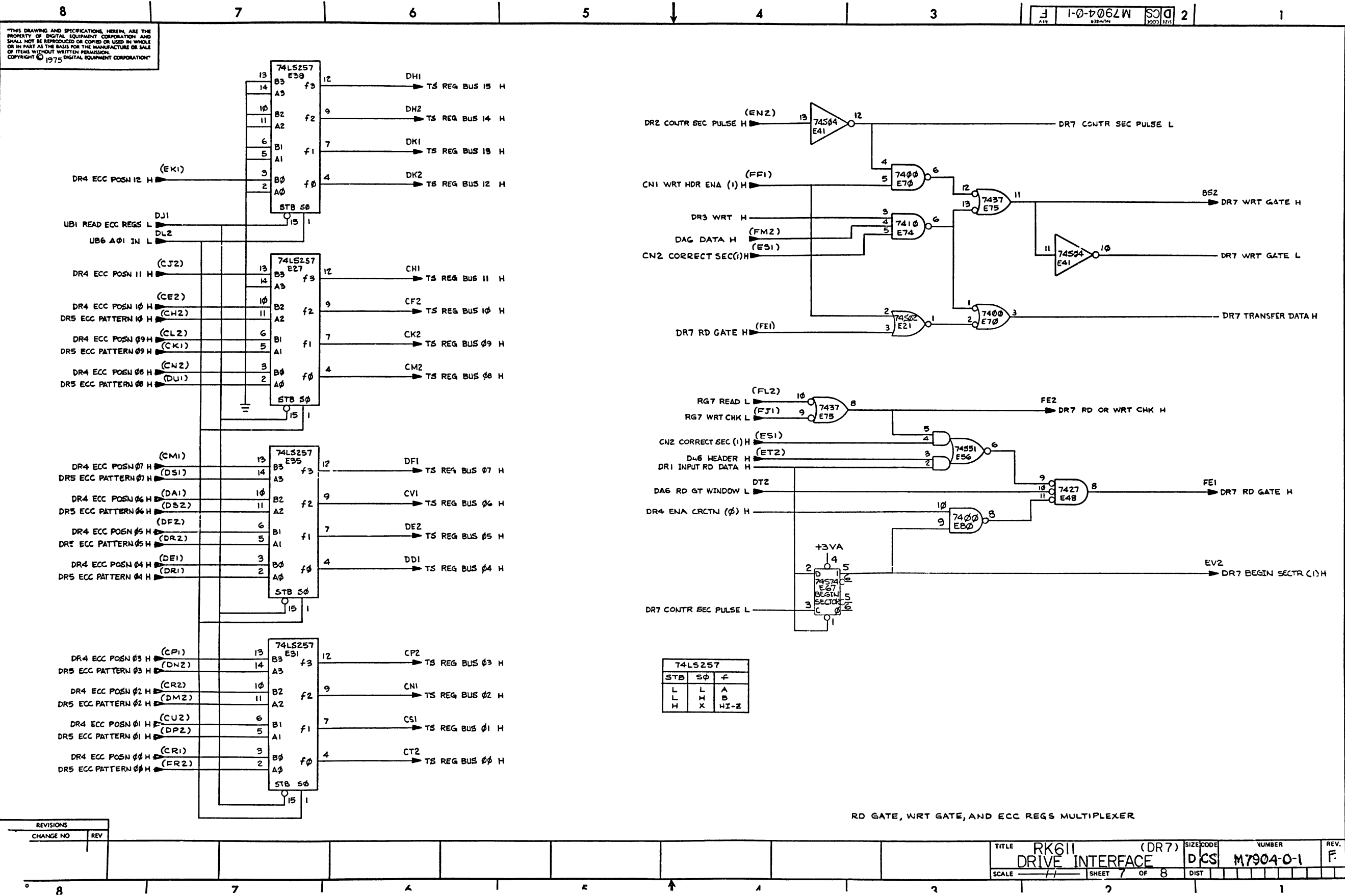
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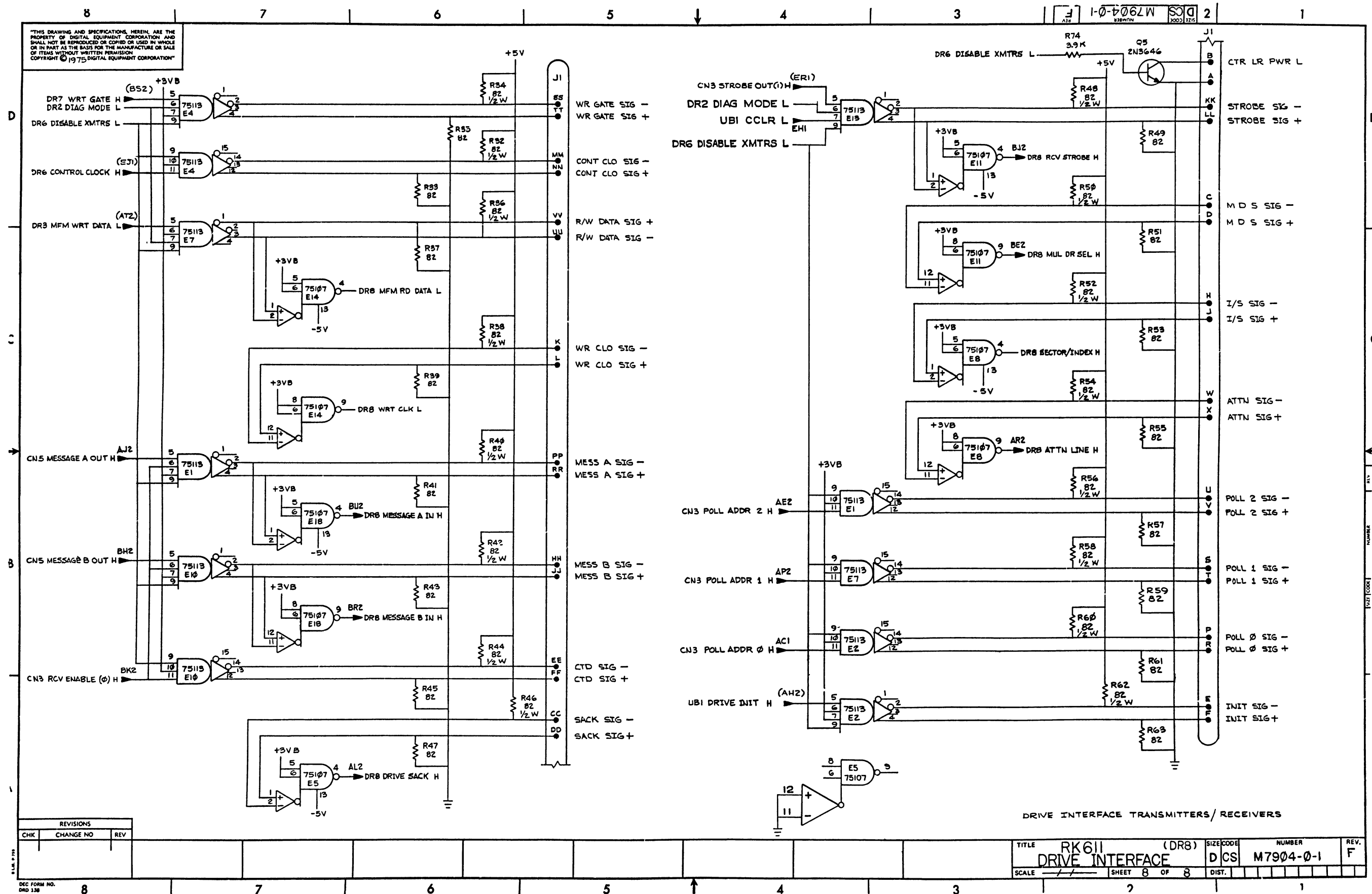


REVISIONS		
CHG NO	REV	

INTERFACE TRANSMITTER DISABLE, SECTOR/INDEX SEPARATOR AND DTE DETECT

TITLE		RK611 (DR6)		SIZE CODE		NUMBER		REV	
DRIVE INTERFACE		DCS		M7904-0-1		F			
SCALE		SHEET		6 OF 8		DIST			





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